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THE TROY SEED STORE

Established 1842



FALL ~
CATALOG
1907 ~

JOSIAH YOUNG
TROY ~ NEW YORK

Fall Catalog

THE TROY SEED STORE

ESTABLISHED 1842

1842	Henry Warren	1863
1863	Warren & Taylor	1883
1883	Crandall & Morrison	1889
1889	Morrison and Halstead	1893
1893	Morrison & Westfall	1897
1897	Young & Halstead	1906
1906		

JOSIAH YOUNG

Successor to

YOUNG & HALSTEAD

Seedsman

Foot of Grand Street

WM. C. GOODRICH

Florist

357 Broadway

375-377 RIVER STREET, (FRANKLIN SQUARE)

LONG DISTANCE TELEPHONES, No. 754, TROY, N. Y.

Greenhouses, Trial Grounds and Nursery at Watervliet, N. Y., Stop No. 39 on Troy & Schenectady Electric Railroad.



I presenting this Catalog my first wish is to thank my friends for the liberal share of their patronage which I received last fall and spring. It is my honest and constant endeavor to furnish my patrons with nothing but the best, and this at a reasonable price, as low as is consistent with good quality.

I wish to state most emphatically that I do not handle low-grade stocks. My experience each succeeding year confirms my belief that the best is the cheapest, and the public at large, thanks to the leading horticultural publications, is becoming each year more critical and more anxious to secure the best to be had. It is trade of this character that I solicit, and to such I present this Catalog, confident that a trial order will make a permanent customer.

In making up my Catalogs I endeavor to make all descriptions clear, concise and accurate, avoiding extravagant wording or misleading representations, but setting forth the prominent qualities of each article in as few words as possible, thus making it easy for even a beginner to select the things most adapted to his needs.

My new store gives me ample facilities for handling trade although at the present rate of increase further enlargements will be necessary. My greenhouse plant of 20,000 feet of glass and a nursery of 18 acres ensures a constant supply of flowers for cutting, decorative and bedding plants and hardy stocks for out door planting.

The greenhouses and grounds are open to the public week days and visitors are always welcome

BEFORE MAKING OUT YOUR ORDER, read carefully remarks on first page of my Catalogue. My customers will oblige me by using this sheet in ordering. Remittances can be made by Draft, Money Order or Registered Letter, and the cost deducted from the amount of money sent.

Please write in the quantity, full name of variety and price. Any necessary correspondence should be written on a separate sheet.

Date _____ 100

For amount enclosed \$_____ send me by _____

Write here "Mail," "Freight," "Express,"
or "Use your discretion."

~~The~~ articles designated below ;

WRITE PLAINLY. Name _____
P. O. _____ County _____
Express Office _____ R. F. D. No. _____ State _____
Freight Station _____ No. _____ { Avenue _____
Street _____

Shipped _____ 190 _____ Via _____

Days.....*Boxes*.....*Bbls.*.....*Bals.*.....*Pkgs.*.....

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FLOWERING BULBS

HYACINTHS

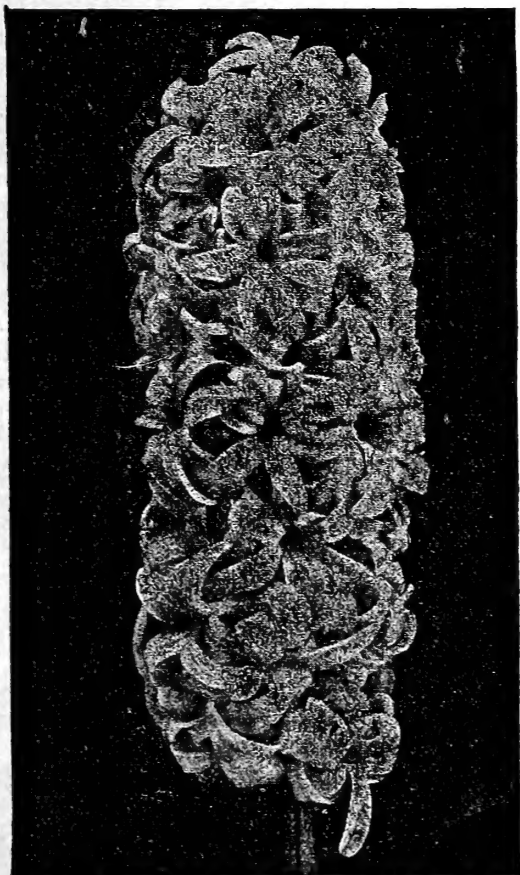
Pot Culture in the House. Plant from September to December in rich, sandy loam, using 4- or 5-inch pots and inserting the bulb so that its top will be just below the surface of the soil. Do not pack the soil in the pots, as the bulbs are apt to push out when the root growth commences. Water thoroughly and set the pots away in a cool, dark place for four or five weeks. Keeping in the dark will allow the roots to grow and become firmly fixed in the soil, then the plants can be brought into the light, and will at once commence the top growth. By bringing the pots into the light at different times, a succession of bloom may be had. During their growth they should be kept near the light and at a temperature of 50 to 70 degrees, and watered frequently.

Outdoor Culture in Beds or Borders. The bulbs may be planted almost any time from September until the ground is frozen, but it is advisable to plant early so as to secure a strong growth of root before freezing weather. They succeed in any good, well-drained garden soil, which should be spaded deeply, and a quantity of well-rotted manure or fertilizer mixed thoroughly with it.

Set the bulbs so that the tops will be between 3 and 4 inches below the surface and from 6 to 10 inches apart. A little sand under and about them is advisable, as it assists in drainage and prevents manure from coming in direct contact with the bulbs.

Before very severe weather comes on cover the beds with straw, leaves or manure, to protect them from the severe cold during winter, but care should be taken that this covering is not too thick and dense, as the bulbs are as likely to be injured by being kept too warm as by the severe cold. The covering should be removed as early in the spring as severe freezing is over and growth commences.

Glass Culture. To grow in glasses, select dark-colored glass, fill with water until the base of each bulb rests just above the water, and set away in the dark as directed for pot culture. Fill up the glass with water as fast as it evaporates. If the water becomes impure it should be changed and the roots rinsed carefully before putting in again. A small piece of charcoal put in the glass will keep the water pure much longer. After the roots have attained a good growth the glass can be brought into the light and placed in a cool room near a window. Give the plants plenty of light and as much fresh air as possible without a direct draft. Do not keep them in a close, warm room, nor about a fireplace. If removed out of the direct rays of the sun when in bloom, the flowers will last longer.



Single Exhibition Hyacinths

MAMMOTH OR EXHIBITION HYACINTHS

All Extra-Sized Bulbs

Two and one-half inches and over in diameter, especially selected for large flowers. I do not handle the ordinary grade of bulbs.

Prices, on all varieties, 15 cts. each, \$1.50 per doz., postpaid. \$1.25 per doz. \$10 per 100 by express, charges not prepaid.

NOTE.—All varieties marked F are especially desirable for indoor blooming.

Single Exhibition Hyacinths

I consider the Single Hyacinths more useful and valuable than the Double varieties. They are better for forcing, more vigorous in growth, and produce stronger spikes of bloom, which are generally of better substance and are as beautiful as those of the Double sort.

Single Red

General Pelissier. Deep crimson; very early; fine spike.

F Gertrude. Beautiful rosy pink; large, compact spike.

Single Hyacinths, continued

Lord Macaulay. Bright rose-carmine; very large truss.

F Robert Steiger. Deep crimson; fine compact spike.

Single Pink

F Giganthea. Large, pale pink flowers in a long, compact, graceful spike. Extra fine.

F Lord Wellington. Light pink; very large bells and spikes; bulbs large.

F Norma. Pale waxy pink; large bells and bulb.

Single White

Alba Superbissima. Pure white, large compact truss.

F La Grandesse. Extra fine. Pure white, large spike and finely formed bells.

F Madam Vanderhoop. Pure waxy white; fine large flowers.

L'Innocence. Pure white, dwarf; sturdy spike.

F Grandeur a Merveille. Rosy or blush white; large truss.

F Voltarie. Creamy white; large truss; fine.

Single Dark Blue

F King of the Blues. Dark indigo-blue; very large bells and spikes.

Marie. Dark shaded. Extra good spike and large flowers.

William III. Dark blue; large compact spike.

Single Light Blue

F Chas. Dickens. Clear porcelain blue; large spike.

Schotel. Light porcelain blue, very large spike; fine.

F Grand Maitre. Deep porcelain-blue; large bulb.

La Peyrouse. Clear porcelain-blue.

Priestly. Fine light porcelain-blue.

Czar Peter. A magnificent spike of beautiful light porcelain-blue.

Single Lilac

F Haydn. Lilac-mauve. A beautiful color.

Double Exhibition Hyacinths

Prices on all varieties 15 cents each; \$1.50 per dozen by mail, postpaid. \$1.25 per dozen, \$10 per 100 by express, charges not prepaid.

F Bouquet Royal. Pure white, yellow center, large truss.

F La Tour d'Auvergne. Pure white; very early; large bells and spike.

F Bouquet Tendre. Deep red; very handsome spike. Early.

F Bouquet Royal. Very fine rose, with dark center; large truss.

Lord Wellington. Delicate rose, with large truss and thick bells.

Noble par Merite. Beautiful deep rose; small bulb.

Charles Dickens. Fine blue; extra large bells.

F Bloksberg. Beautiful bright porcelain-blue.

F La Virginite. Blush white; delicate color; large bells and spikes.

Prince of Waterloo. Fine blush-white; large bells and bulb.

Delicata. Clear porcelain-blue, large spike.

Jaune Supreme. Deep yellow, tinted with orange.

Bedding Hyacinths

EXTRA CHOICE SINGLE HYACINTHS. In separate colors; red, pink, blush white, pure white, light blue, dark blue, yellow or mixed. Each 7 cts., doz. 75 cts., postpaid. 50 cts. per doz. or \$4 per 100, not prepaid.

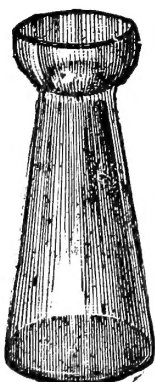
EXTRA CHOICE DOUBLE HYACINTHS. Separate colors; red, pink, blush white, pure white, light blue, dark blue, yellow or mixed. Each 5 cts., doz. 75 cts., postpaid. 50 cts. per doz. or \$4 per 100, not prepaid.

HYACINTH GLASSES

Hyacinths grown in glasses of water are charming ornaments for parlor windows, and the ease and success in flowering bulbs in this way adds greatly to the popularity not only of Hyacinths, but of Paper White Narcissus, and other bulbs, which can be grown in the same manner. The glasses can be used for cut-flower vases when desired.

Tye's Shape. An improved shape not easily tipped over. Various colors. 20 cts. each; \$1.75 per doz.

Tall. This is a favorite style. They come in various colors. 15c. each; \$1.50 per doz.



Tall



Tye's Shape

FLOWERING BULBS

HYACINTHS

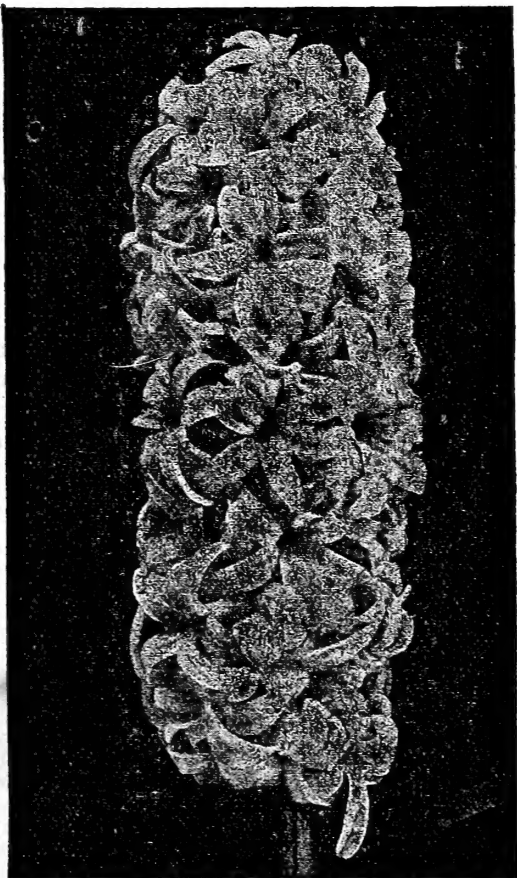
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Single Red

General Pelissier. Deep crimson; very early; fine spike.

F Gertrude. Beautiful rosy pink; large, compact spike.

Single Hyacinths, continued

Lord Macaulay. Bright rose-carmine; very large truss.

F Robert Steiger. Deep crimson; fine compact spike.

Single Pink

F Giganthea. Large, pale pink flowers in a long, compact, graceful spike. Extra fine.

F Lord Wellington. Light pink; very large bells and spikes; bulbs large.

F Norma. Pale waxy pink; large bells and bulb.

Single White

Alba Superbissima. Pure white, large compact truss.

F La Grandesse. Extra fine. Pure white, large spike and finely formed bells.

F Madam Vanderhoop. Pure waxy white; fine large flowers.

L' Innocence. Pure white, dwarf; sturdy spike.

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Noble par Merite. Beautiful deep rose; small bulb.

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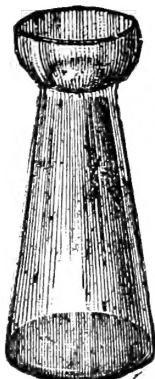
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Tye's Shape. An improved shape not easily tipped over. Various colors. 20 cts. each; \$1.75 per doz.

Tall. This is a favorite style. They come in various colors. 15c. each; \$1.50 per doz.



Tall



Tye's Shape

ROMAN HYACINTHS

For Early Forcing

Can be bloomed in **six weeks' time**. Each bulb will give several flower stalks, and by means of successive planting they may be had in bloom from November till March. Plant four or five bulbs in a 6-inch pot.

White. Extra size. 7c each; 75cts. per doz., postpaid; 50 cts. per doz., \$4 per 100; charges not prepaid.

MINIATURE or DUTCH ROMAN HYACINTHS.

These Hyacinths are superior to the genuine Romans in size and substance of flower, but can be had in bloom only from January to May. They are cultivated in the same manner as Romans.

Gertrude. Rosy pink.

Chas. Dickens. Rose.

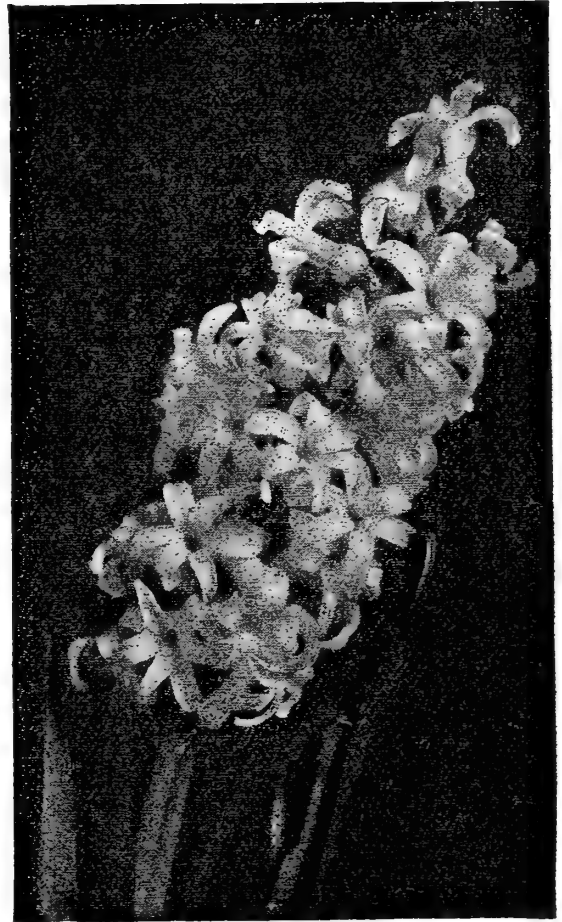
Gigantea. Pale pink; large;

La Grandesse. Finest pure white; large.

L'Innocence. Pure white.

Czar Peter. Finest light blue; large spike.

5 cts. each; 40 cts. per doz., postpaid; \$3 per 100, charges not prepaid.



Roman Hyacinths

TULIPS

It is difficult to conceive of anything more brilliant than a bed of good Tulips. Their great variety of color, intense brilliancy and beautiful shading make them universal favorites. Another great consideration in their favor is the ease with which they can be cultivated, only requiring good common garden soil to grow them to perfection. There are no other bulbs which make such a rich and gorgeous display of blossoms with so little care and cultivation.

The culture of Tulips is the same as that of Hyacinths, except that the bulbs should be planted a little deeper and from 2 to 6 inches apart. Tulips are perfectly hardy, so only a slight protection is required from extreme cold and sharp winds.

Most of the varieties force readily, and have become great favorites in the house in mid-winter. If potted in September and treated as directed for hyacinths, they may be had in bloom in December. When they show a tendency to bloom just above the bulbs, they must be kept longer in the dark to draw out the flower stems. A splendid effect is obtained by planting from three to a dozen in a 5 or 6-inch pot.

For the benefit of my customers who wish to select Tulips for some particular purpose, the following information will be of service:

The **DUC VAN THOL** Tulips are the earliest and lowest growing of the single sorts and are especially fine for pot-growing. Next following these are **POTTEBAKKERS** in singles and the **TOURNESOLS** in doubles. Then in a grand class come both single and double sorts in named varieties, and after these are the stateliest and most magnificent of all, the Gesnerianas, Bizarres, By-blooms and Breeders in the single sorts and Blue Flag, Mariage de ma Fille and Yellow Rose in doubles; while last, but not least, are the fantastic Parrot Tulips, with their multi-colored, ragged petals, the most picturesque of the family—attracting by their grotesque form and pleasing by their wealth of color.

In making up my list of varieties I have marked the different ones with figures to denote the time of blooming: thus, all varieties marked 1 will bloom at nearly the same time and these will be followed in turn by those numbered 2 and 3. Those sorts which are especially desirable for forcing indoors are marked with an F.

At the single and dozen price I prepay postage. At the hundred price customer pays transportation charges.

SINGLE EARLY TULIPS



Proserpine

2 Artus. Scarlet; finely shaped, medium height. Each 3 cts., doz. 30 cts., 100 \$2.

F 2 Belle Alliance. Scarlet dwarf; sweet-scented; a fine sort for either forcing or bedding. Each 4 cts., doz. 40 cts., 100 \$2.50.

F 1 Canary Bird. Pure yellow; tall, very fine. Each 3 cts., doz. 30 cts., 100 \$2.

1 Chrysolora. Tall. Large, pure golden yellow. The flower is very large and holds its color till the petals fall; one of the best for bedding. Each 2 cts., doz. 20 cts., 100 \$1.

F 2 Couleur de Cardinal. Tall. Beautiful bronzy scarlet; flowers large, of good substance, with long stems. Each 7 cts., doz. 75 cts., 100 \$5.

Cottage Maid. Dwarf. White, bordered with pink; extra fine. Each 2 cts., doz. 20 cts., 100 \$1.

F 1 Duc van Thol, Scarlet. Dwarf. This is the scarlet Tulip of which millions are used all over the world for forcing. Each 3 cts., doz. 30 cts., 100 \$2.

F 1 Duc van Thol, Rose. Dwarf. Fine rosy pink, opens white. Each 4 cts., doz. 40 cts., 100 \$2.50.

F 1 Duc van Thol, Yellow. Dwarf. A beautiful shade of dark citron-yellow. Each 3 cts., doz. 30 cts., 100 \$2.50.

F 1 Duc van Thol, White Maximus. Dwarf. Pure white; much larger than the common white variety. The best for early forcing to get the first white Tulips. Each 4 cts., doz. 40 cts., 100 \$2.50.

F 2 Keizerkroon. Tall. Extra large flower; bright red, with broad yellow margin. Each 3 cts., doz. 30 cts., 100 \$2.50.

F 2 La Reine, or Queen Victoria. Medium height. White, sometimes changing to a beautiful delicate pink; the best sort for forcing and bedding. Each 3 cts., doz. 25 cts., 100 \$1.25.

1 Pottebakker, Yellow. Tall. Yellow, striped with red. Each 3 cts., doz. 30 cts., 100 \$2.

Pottebakker, White. Tall. One of the finest; large, pure white flowers. Each 3 cts., doz. 30 cts., 100 \$2.

Pottebakker, Scarlet. Tall. Beautiful brilliant scarlet; large flower. Each 4 cts., doz. 40 cts., 100 \$2.50.

(NOTE.—The Pottebakkers are intended especially for out-of-door culture, as they do not force well; for that purpose I recommend the Duc van Thol.)

F 1 Proserpine. Medium height. Glossy carmine-pink; a unique and striking color; large flower and forces easily; may be had in bloom the latter part of December. Each 6 cts., doz. 60 cts., 100 \$3.50.

F 1 Rose Grisdelin. Dwarf. Delicate pink; one of the best in cultivation; splendid for either forcing or bedding. Each 4 cts., doz. 35 cts., 100 \$2.50.

2 Standard Royal. Medium height. Silver-white, striped and feathered with cherry crimson; unequaled for bedding. Each 3 cts., doz. 30 cts., 100 \$2.

F 1 Yellow Prince. Dwarf. Clear yellow; sweet-scented; fine for forcing and bedding. Each 3 cts., doz. 25 cts., 100 \$1.25.

SINGLE EARLY, YOUNG'S PRIZE MIXED

This mixture is selected to give continuous and profuse bloom in bedding work and is composed entirely of varieties of equal heights. I do not recommend it for forcing. For that purpose it is better to use the named sorts. Each 3 cts., doz. 20 cts., 100 80 cts., 1,000 \$7.

Single Early, Fine Mixed. A far better mixture than you ordinarily get. Each 2 cts., doz. 15 cts., 100 60 cts., 1,000 \$5.50.

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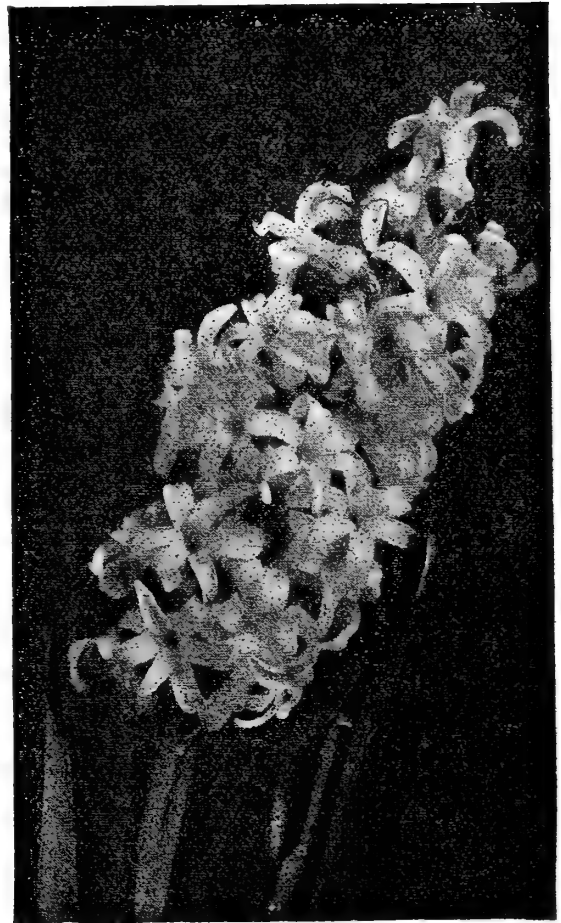
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Pottebakker, White. Tall. One of the finest; large, pure white flowers. Each 3 cts., doz. 30 cts., 100 \$2.

Pottebakker, Scarlet. Tall. Beautiful brilliant scarlet; large flower. Each 4 cts., doz. 40 cts., 100 \$2.50.

(NOTE.—The Pottebakkers are intended especially for out-of-door culture, as they do not force well; for that purpose I recommend the Duc van Thol.)

F 1 Proserpine. Medium height. Glossy carmine-pink; a unique and striking color; large flower and forces easily; may be had in bloom the latter part of December. Each 6 cts., doz. 60 cts., 100 \$3.50.

F 1 Rose Grisdelin. Dwarf. Delicate pink; one of the best in cultivation; splendid for either forcing or bedding. Each 4 cts., doz. 35 cts., 100 \$2.50.

2 Standard Royal. Medium height. Silver-white, striped and feathered with cherry crimson; unequaled for bedding. Each 3 cts., doz. 30 cts., 100 \$2.

F 1 Yellow Prince. Dwarf. Clear yellow; sweet-scented; fine for forcing and bedding. Each 3 cts., doz. 25 cts., 100 \$1.25.

SINGLE EARLY, YOUNG'S PRIZE MIXED

This mixture is selected to give continuous and profuse bloom in bedding work and is composed entirely of varieties of equal heights. I do not recommend it for forcing. For that purpose it is better to use the named sorts. Each 3 cts., doz. 20 cts., 100 80 cts., 1,000 \$7.

Single Early, Fine Mixed. A far better mixture than you ordinarily get. Each 2 cts., doz. 15 cts., 100 60 cts., 1,000 \$5.50.

DOUBLE EARLY TULIPS

Double Tulips are especially desirable for what is called "carpet bedding," owing to their short growing habit and sharp and well-distinguished colors. White, red and yellow sorts of about the same height, planted in lines of three or four rows of each color, form, with their large, rose-like flowers, beds of surpassing beauty. The flowers are very double and quite persistent. They are generally later in blooming than the single sorts, and so serve to prolong the season of gorgeous beauty in the spring flower garden.



Crown of Gold

F 2 Crown of Gold. Yellow, orange-shaded; large flower, strong stem; extra large bulb; fine for forcing. 6 cts. each; 60 cts. per doz.; \$4.50 per 100.

2 Crown of Roses. Deep pink or rose; very large. 4 cts. each; 40 cts. per doz.; \$3 per 100.

F 2 Imperator Rubrorum. Brilliant scarlet; the best of the color for forcing. 6 cts. each; 60 cts. per doz.; \$4.50 per 100.

La Candeur. Pure white, large flower. Plant with Rex Rubrorum for beds. 3 cts. each; 30 cts. per doz.; \$1.50 per 100.

F 2 Murillo. Light pink, the best of its kind for either forcing or bedding; large flower. The best pink double Tulip. Each 4 cts.; doz. 40 cts.; 100 \$2.50.

1 Raphael. Pink; large flower. Each, 7 cts.; doz. 75 cts.; 100 \$5.50.

2 Rex Rubrorum. Bright scarlet, large flower. Companion to La Candeur for bedding. Each, 3c.; doz. 25 cts.; 100 \$1.50.

F 1 Tournesol, Yellow. Yellow, shaded orange; very large and fragrant. Each, 4 cts.; doz. 40 cts.; 100 \$3.

F Tournesol, Red and Yellow. Bright red with yellow edge; fragrant; large flower. Both of the Tournesols are first-class sorts for forcing. Each, 3c.; doz. 25 cts.; 100 \$2.

DOUBLE EARLY SUPERFINE MIXED.

Made up especially to give a continuous bloom and great range of color for out-of-door bedding. I do not recommend them for indoor use. Each 3c.; doz. 20 cts.; 100 \$1.20.

SINGLE LATE, OR SHOW TULIPS

For the Open Ground Only.

A beautiful class of flowers coming into bloom during May, and far exceeding the early Tulips for masses or in shrubbery borders, as they grow much taller, with larger and more striking flowers. Owing to their long stems they are exceptionally fine for cutting. A bulb planted in the fall blooms the following spring and dies, giving place to one or more new bulbs, which bloom the next spring. These may be taken up and replanted, or left in place, just as is deemed best, as the bulbs are perfectly hardy.

Parrot Tulips, Mixed. Beautifully colored in combinations of red, yellow and brown. The edges are feathered and curled, adding to their striking beauty. These Tulips are especially desirable for massing. Each, 3c.; doz. 20c.; 100, 90c.

Bybloems, Mixed. Violet and rose, striped on white ground. Each, 3 cts.; doz. 20 cts.; 100 \$1.25.

Bizarres, Mixed. Violet, brown and rose, striped on yellow ground. Each, 3 cts.; doz. 20 cts.; 100 \$1.25.

Breeders, Mixed. Self colors in red, rose, white and yellow, some striped. Each, 3 cts.; doz. 30 cts.; 100 \$2.00.

Golden Gem. Single deep yellow, with narrow, orange-red feathered edge; very fine for cutting. Each, 3 cts.; doz. 30 cts.; 100 \$1.70.

Gesneriana (true). Beautiful dazzling scarlet, with a violet-black blotch at the base of each petal. The most superb of all Tulips for either massing or cut-flowers; an extra large flower with long stems. Each, 3 cts.; doz. 30 cts.; 100 \$3.

DOUBLE LATE TULIPS

Tall-growing late sorts, matching the Single Late Tulips in size and beauty.

Blue Flag. The nearest approach to a blue Tulip; very fine. Each 3 cts., doz. 30c., 100 \$2.

Mariage de Ma Fille. White, striped with red; one of the most beautiful of the double sorts; large flower. Each 4 cts., doz. 35 cts., 100 \$2.50.

Yellow Rose (true). A beautiful golden yellow; very large flower. Each 3 cts., doz. 25 cts., 100 \$1.50.



Narcissus Poeticus in the Border

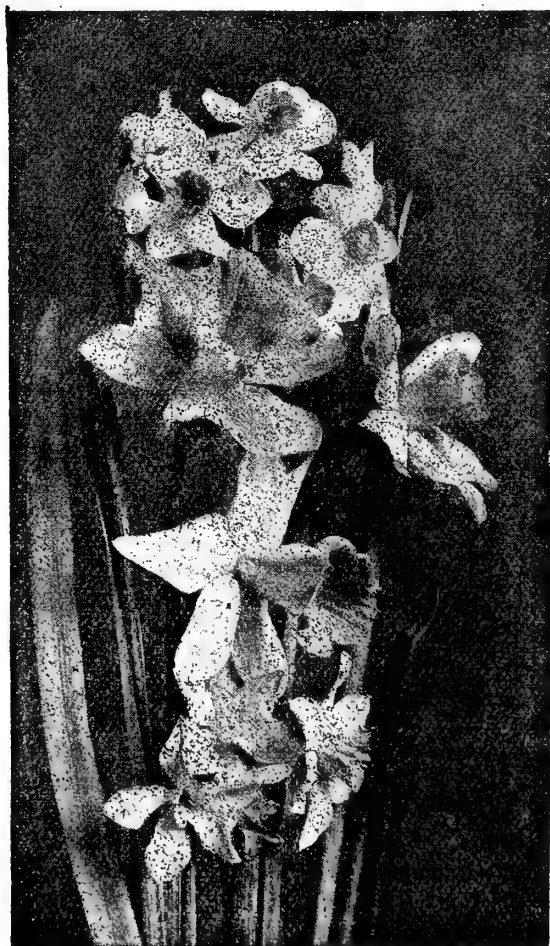
NARCISSUS or DAFFODILS

Bulbs at the single and dozen rate, postage paid. At the 100 rate, I ship by express at purchaser's expense except when otherwise noted

The Narcissi are among the hardiest and most desirable plants of the garden, and will do better and give more satisfaction with less care than almost any other plant. When once established they do not need to be reset for several years, and will thrive in almost any soil. They are not only desirable for the garden, but equally so for the house. One to four bulbs set in a 5-inch pot will be sure to give flowers even in the smoky atmosphere of the city, where their beautiful color and delicate fragrance are doubly welcome. All of the varieties I list are perfectly hardy except the Chinese Narcissus and the Paper White Grandiflora.

The Paper White Grandiflora may be made to come into bloom in pots in December, and this, with other varieties of Narcissus, will give a continuous succession of profuse bloom until spring. They thrive best in a cool temperature. Pot as soon as received, in good, turfy loam, but let no manure, rotted or otherwise, touch the bulbs. Set in a cool dark room, and keep moderately moist for one or two months, so that they may root, then remove to the window or conservatory for flowering. Do not cultivate too strongly, as an extra vigor of growth is detrimental

to the purity of the color of the flower. They may also be grown in water with sand or pebbles, giving them the same care and treatment as the Chinese Narcissus.



Cluster of Narcissus

SINGLE NARCISSUS

F Empress. A beautiful flower measuring nearly 3 inches across; perianth creamy white, trumpet deep golden yellow. 5 cts. each; 50 cts. per doz.; \$3 per 100.

DOUBLE EARLY TULIPS

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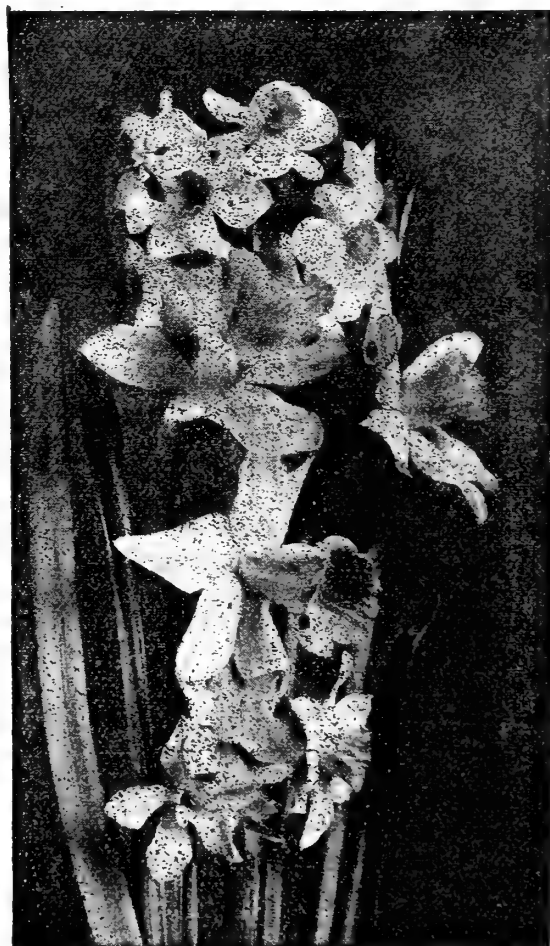
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Cluster of Narcissus

SINGLE NARCISSUS

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F Emperor. The same as Empress except in color, both perianth and trumpet being yellow. 5 cts. each; 50 cts. per doz.; \$3 per 100.

F Golden Spur. Large spreading trumpet; perianth and trumpet both deep golden yellow; forces very easily. Selected double-nosed bulbs. 4 cts. each; 40 cts. per doz.; \$3 per 100.

Incomparabilis Stella. White star-shaped flowers, with bright yellow cups. Very showy. 5 cts. for 3; 10 cts. per doz.; 60 cts. per 100, postpaid.

Incomparabilis Orange Phoenix. White star-shaped flower, with orange center. 3 cts. each; 25 cts. per doz.; \$1.50 per 100.

Poeticus (Pheasant's Eye). White, fragrant, with small scarlet-edged cup; cannot be forced. One of the daintiest. 5 cts. for 3; 10 cts. per doz.; 50 cts. per 100, postpaid.

F Poeticus ornatus. Pure white, fragrant, about a month earlier than Pheasant's Eye; forces easily. 5 cts. for 2; 15 cts. per doz.; \$1 per 100, postpaid.

Biflorus. Pure white, star-shaped, with yellow cup, bears two flowers on each stalk, very fragrant. 5 cts. for 3; 10 cts. per doz.; 60 cts. per 100, postpaid.

F Princeps. Primrose perianth; deep yellow trumpet; early and easy to force. 5 cts. for 2; 15 cts. per doz.; \$1 per 100.

F Trumpet Major. Perianth and trumpet pure golden yellow; very large and early. The standard single forcing variety. 4 cts. each; 35 cts. per doz.; \$2 per 100.

Paper White grandiflora. Flowers pure white. Especially desirable for their beauty and delicious odor; one of the best known of the bunch-flowered Narcissus. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December. 3 cts. each; 30 cts. per doz.; \$2 per 100.



Von Sion. The old, well-known double Yellow Daffodil. Large, double, golden yellow, extra fine for forcing or outdoor culture. This is the true double trumpet-shaped variety, so largely used for cut-flowers. Extra large, selected, double-nosed bulbs. 5 cts. each; 50 cts. per doz.; \$3 per 100.

JONQUILS

Another member of the *Narcissus* family (*Narcissus Jonquilla*), erroneously called Daffodils by some. They are particularly desirable for their beautiful golden yellow color and delicate fragrance. Can be grown either indoors or out.

Campernelle rugulosus. An improved selection of the old Campernelle or Great Jonquil. Single golden yellow flowers. 2 cts. each; 20 cts. per doz.; \$1 per 100.

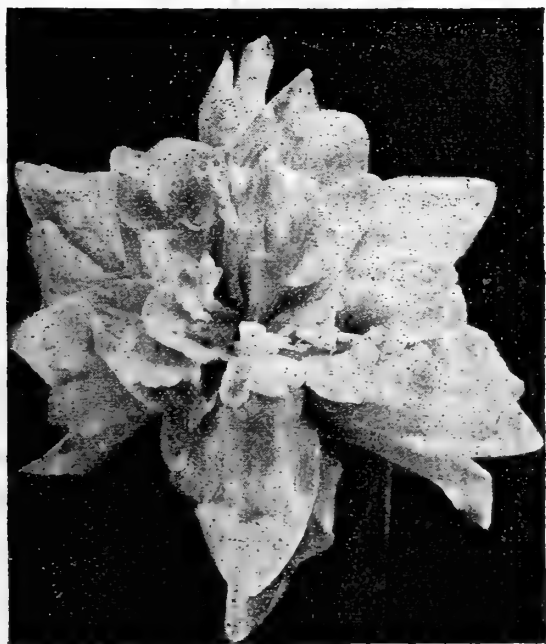
DOUBLE NARCISSUS

Alba plena odorata. Pure white, many petals; sweet-scented; cannot be forced. 5 cts. for 3; 15 cts. per doz.; 75 cts. per 100, postpaid.

CHINESE SACRED LILY

Chinese, or Oriental Narcissus

A variety of *Polyanthus Narcissus* (*Narcissus Orientalis*) bearing a profusion of fragrant, silvery white flowers, with golden yellow cups. It is grown by the Chinese, according to their ancient custom, to herald the advent of their new year and as a symbol of good luck, while the incredibly short time required to bring the bulbs into bloom (four to six weeks after planting) is one of the wonders of nature. They do well in pots of earth, or in shallow bowls of water, with enough pebbles or gravel to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers through the winter. 5 cts. each; 60 cts. per doz.; \$4.50 per 100. Postage 5 cts. each.



Narcissus Von Sion



CROCUS

The Crocus is among the earliest to blossom in spring, and, coming at a time when few flowers are to be seen, it is a welcome visitor. It does well when grown in pots of wet sand and moss and fairly well in glasses, for which purpose the best named varieties should be selected. They present the best appearance, however, when grown in masses, using from one hundred to five hundred in a bed. It is only necessary to lift the turf and insert the bulbs about 2 inches deep; they will care for themselves, blooming very early and dying down in ample time to be entirely out of the way of the lawn-mower. They may be planted with *Scilla Sibirica*, the blossoms showing very prettily together. Once planted, they will remain uninjured in the ground and bloom for years, but in many cases with decreasing vigor, so that a fresh supply is desirable. The Crocus should be planted in the autumn, in any good garden soil, about 3 inches deep and about 2 inches apart, if in beds or borders.

CHOICE NAMED CROCUS

All varieties except Large Yellow, 5 cts. for 3; 10 cts. per doz.; 60 cts. per 100, by mail postpaid; \$3 per 1,000, by express, at purchaser's expense.

Albion. Striped.

Baron Brunow Bright purple; free-blooming, large.

King of the Whites. Snow-white; large.

Madame Mina. Light blue striped; early.

Mont Blanc. Large, fine, white.

Sir Walter Scott. White, purple stripes.

Large Yellow. Pure golden yellow. Mammoth bulbs. 5 cts. for 3; 10 cts. per doz.; 85 cts. per 100, by mail, postpaid; \$7.50 per 1,000, by express at purchaser's expense.

Choice Mixture. 40c. per 100, postpaid; \$2 per 1,000, by express at purchaser's expense.

MISCELLANEOUS BULBS AND ROOTS

NOTE.—Those sorts which succeed out-of-doors are marked H, to indicate that they are hardy. Those which must be grown indoors are marked T, tender.

Bulbs at single and dozen prices by mail, postpaid; at 100 rate by express at purchaser's expense, except where otherwise noted



FREESIAS (T)

One of the most delightful of the winter-blooming plants. Flowers from 1 to 1 1/2 inches in length, white, with yellow blotch in the throat, and borne in erect racemes of from five to ten. They have a most subtle and delightful fragrance, and are very fine for cut-flowers. Start the bulbs early, putting from six to eight in a 5-inch pot and setting them down so the soil will cover the tips. They start growing very soon and should be in bloom by Christmas. Keep them moist and in a moderate temperature. After the bulbs have bloomed, reduce gradually the amount of water till the tops die, when the bulbs can be dried off and put away until autumn.

Refracta alba. Selected mammoth or monster bulbs. 3cts. each; 30 cts. per doz.; \$2 per 100, postpaid.

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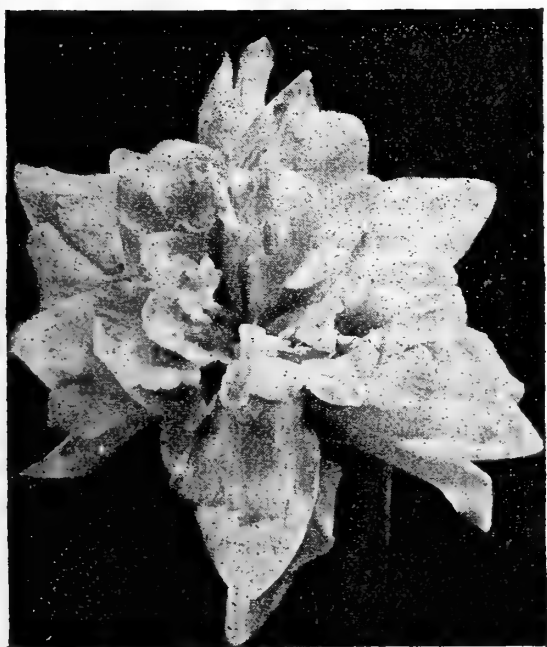
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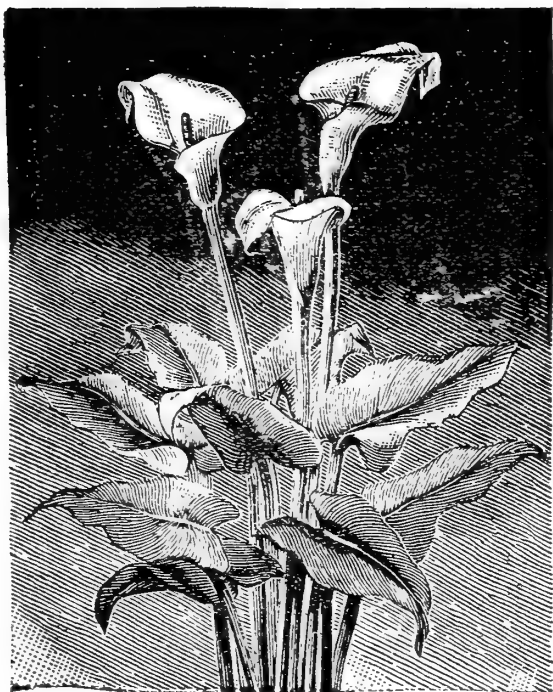
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CALLA LILY

Richardia Africana (T)

Sometimes called the Lily-of-the-Nile. Requires good, rich soil with an abundance of water and plenty of sunshine and warmth. In the spring they may be planted in the garden and left till September, when they should be taken up, potted and placed indoors.

Size.	Each	Doz.	Postage
5-in.	10c	80c	3c. each
6-in.	15c	\$1.25	5c. "
7-in.	20c	2.00	8c. "

ANEMONE

Anemones are classed among the half-hardy bulbs, although they are hardy in the North if given a well-drained, sheltered spot, and even then they should have a thick covering of coarse straw or evergreen boughs. Plant 5 or 6 inches apart and cover 3 inches deep. For indoor growing, pot in the fall, keep cool till they have become well rooted, then place in the window or greenhouse.

Single, Mixed Colors. 5 cts. for 2; 30 cts. per doz.; \$1 per 100, postpaid.

Double, Mixed Colors. 5 cts. for 2; 20 cts. per doz.; \$1.50 per 100.

CHIONODOXA

Glory of the Snow (H)

A beautiful spring-flowering plant, blooming very early, with blue flowers somewhat similar to Scillas.

Luciliae. Azure-blue. 3 cts. each; 20 cts. per doz.; \$1.50 per 100, postpaid.

LILY-OF-THE-VALLEY

Convallaria majalis (H)

Well-known and universally admired spring-flowering plants, equally well adapted to winter-flowering in the parlor or conservatory. The flowers are pure white, bell-shaped, freely produced and very fragrant. For pot culture, set the buds or pips in well-drained pots or flats having the bottoms covered with a layer of fibrous moss or peat, then fill them with sandy soil slightly mixed with moss. This will hold the moisture,



which is essential to success. Cover the buds to a depth of 1-2 inch, set away in a dark, warm room kept constantly at a temperature of at least 70 degrees for a week or two, and keep them well watered, always using luke-warm water so as not to chill the roots. Many successful growers maintain a temperature of 90 to 100 degrees, which may be desirable early in the season. When the plants have well started and the buds appear, bring into a light, warm place and they will soon be in flower. By repeating this process at intervals, a constant succession of blooms is maintained through the whole winter. Care should be taken to keep the pips cool and moist until they are potted. Water should never be sprinkled upon the flowers when in bloom, as it will spoil them. To grow them in open ground, select a partly shaded situation. Prepare the soil with a mixture of leaf-mold, sand and plenty of well-rotted manure, which should be thoroughly incorporated with the soil 2 feet deep. Set the roots about 2 inches below the surface. No further attention is required. They are perfectly hardy, and are not injured by frost. Lilies-of-the-Valley are not ready for shipment before November.

Selected Pips. For forcing or pot culture. 5 cts. each; 40 cts. per doz.; \$2.50 per 100.

First Quality Pips. For out-of-door planting. 3 cts. each; 30 cts. per doz.; \$2 per 100.

In ordering, be sure to state whether they are for forcing or planting out-of-doors.

OXALIS

Bermuda Buttercup (T)

This valuable winter-flowering bulb is a selection from *Oxalis cernua*, cultivated in the favorable soil and climate of Bermuda, until it surpasses the type in strength, size and luxuriance of plant and flower. The flowers are of a bright buttercup yellow and are produced in wonderful profusion. This variety is particularly well adapted to shallow pots and hanging baskets. One to six bulbs potted in rich, friable soil, will, in about six weeks, form a fountain-like mass of foliage and bloom which is certain to please every one. Place the pot in the cellar or cold dark room for several days to root thoroughly, then remove to window or conservatory. 5 cts. each; 50 cts. per doz.; \$3 per 100.

RANUNCULUS

These bulbs are not hardy North, and should be grown only in pots, in a cool, moist atmosphere. They may be packed in sand, kept at a low, even temperature during the winter and planted out-of-doors early in the Spring. In the South, they may be planted in late autumn. Set them with the prongs downward.

Double Persian (T). Mixed colors. 3 cts. each; 30 cts. per doz.; \$2 per 100, postpaid.

Double Turban (T). Mixed colors. 3 cts. each; 30 cts. per doz.; \$2 per 100, postpaid.

SCILLA

A beautiful class of small bulbs, with blue flowers, blooming about the time of the Crocus; are entirely hardy, will thrive in almost any garden soil. Should be planted in fall about 2 inches deep, and in clumps or masses, placing the little bulbs about an inch apart. The flowers appear in the spring before the leaves, and when these come they should not be disturbed so long as they are fresh and green. The destruction of these leaves is almost the only thing likely to injure the bulbs. They are well adapted to growing in pots like the Crocus. Place 6 to 12 bulbs in a pot close to the surface of the soil. Allow them to root in the cold before removing to the warmer room and water as often as the earth shows dryness.

STAR OF BETHLEHEM

Ornithogalum umbellatum

A beautiful plant, grows about 18 inches high, with umbels of fragrant pure white flowers remaining in bloom for a long time. Can be grown indoors easily and are very fine for cut flowers.

Ornithogalum umbellatum (H). 5 cts. each; 50 cts. per doz.; \$2.50 per 100.

SNOWDROPS

Galanthus

The first to herald the approach of spring, defying the cold and lifting its tiny but beautiful white blossoms to view before the snow has disappeared and when there is no sign of vegetable life, the Snowdrop is always welcome. They should be planted in beds, in the border, or in clumps in the open lawn, and will endure any amount of hard treatment; still no flower better repays care and attention.

Plant the bulbs as early as they can be had, to enable them to become well established before freezing weather. Set about 2 or 3 inches deep and 1 inch apart, in clumps or in triple rows; if planted singly they are not conspicuous. The bulbs should not be disturbed oftener than once in two or three years.

Elwesii (H). Giant Snowdrop. 5 cts. for 3; 15 cts. per doz.; \$1 per 100, postpaid.

EASTER LILIES

Lilium Harrisii. The True Bermuda Easter Lily. The flower so commonly forced for Easter, and known as the Easter Lily. The long white trumpet-shaped flowers are of delicious fragrance, and seem a fitting symbol for that day. If it is desired to have them in bloom by Christmas, the bulbs should be ordered as soon as you receive this catalog and then planted as early as possible. Bulbs ready about August 15.

Mammoth Bulbs, measuring from 9 to 11 inches in circumference, bearing 8 to 14 flowers, and sometimes, under high cultivation, as many as 20 flowers. 20 cts. each; \$2.50 per doz.; \$15 per 100.



Lilium Harrisii

HARDY LILIES

Lilies require a deep rich soil and in enriching, **never** use fresh manure, always use old well rotted manure and work it in thoroughly with the soil. In setting the bulbs it is best to surround them with a layer of pure sand as this prevents their coming in contact with any manure and also furnishes good drainage.

Another point of vital importance is deep setting. All Lilies should be **planted 8 or 9 inches deep**: first; because roots are thrown out from the stalk **above** the bulb and second; because if they are set near the surface the frosts of winter will throw them out of the soil.



Auratum. The beautiful golden-banded or golden-rayed Lily of Japan. White, spotted with red and having a yellow stripe through the center of each petal; very fragrant. Blooms about July 15. Height 2-4 feet. Mammoth bulbs, measuring 9 to 11 inches in circumference. 15c. each, \$1.50 doz., \$12 per 100. Postage 2c. each.

Jumbo bulbs, 11 to 13 in. in circumference. 30c. each, \$2.75 doz., \$20 per 100. Postage 3c. each.

Canadense (Canada Lily). A beautiful sort, grows from 2 to 4 feet high. Flowers various shades of yellow, orange and orange-red with black spots. Blooms July 10 to 15. 10c. each, \$1 per doz., \$8 per 100. Postage 1c. each.

Elegans incomparabile. Upright, 1½ to 2½ feet high. Flowers, blood-red, 5 to 6 inches across. Blooms July 1 to 15. 15c. each, \$1.50 per doz., \$12 per 100. Postage 1c. each.

Pardalinum. Height 2-3 feet. Flowers bright-red with orange toward the center, strikingly marked with large purplish-brown spots. A magnificent variety. 15c. each, \$1.50 per doz., \$12 per 100. Postage 2c. each.

Phillipense. The new Philippine Lily. A beautiful variety for either out of door culture or for forcing. The stalk grows about 2 feet high with delicate grass-like foliage. Flowers are pure white, 6 to 8 inches long and 5 to 7 in diameter, very fragrant. 25c. each, \$2.50 per dozen, \$20 per 100. Postage 2c. each.



Longiflorum. (Japanese Easter Lily). Height 2-3 feet. Bulbs measuring from 7 to 9 inches, bearing 8 to 10 flowers. Flowers, white, trumpet shaped, fragrant. Outdoors, blooms about July 20. 10c. each, \$1 per doz., \$8 per 100. Postage 2c. each.

Speciosum album. Height 2-4 feet. Pure white, very hardy. Blooms August 15. 15c. each, \$1.50 per doz., \$12 per 100. Postage 2c. each.

Speciosum rubrum. Height 2-4 feet. Rich crimson, bordered with white and spotted with deep blood-red. Blooms August 15. 15c. each, \$1.50 per doz., \$12 per 100. Postage 2c. each.

Speciosum melpomene. Height 2.4. feet White, more or less suffused with pink and dotted with crimson. Blooms Aug. 15. 15c. each, \$1.50 per doz., \$12 per 100. Postage 2c. each.

Superbum (Turk's Cap). Height 3 to 6 feet. Bears from 10 to 20 flowers which are bright reddish orange, strikingly spotted. Blooms July 15. 10c. each, \$1 per doz., \$8 per 100. Postage 2c. each.

Tenuifolium (Siberian Coral Lily). Height 1 to 2 feet. Stem slender with narrow foliage. Flowers brilliant vermilion-scarlet. Blooms about June 1. 10c. each, \$1 per doz., \$8 per 100. Postage 1c. each.

Tigrinum splendens (Giant Tiger Lily.) Height, 2 to 5 feet. Flowers bright orange-red, thickly dotted with brownish purple spots. 10c., each, \$1 per doz., \$8 per 100. Postage 3c. each.

TENDER PLANTS

NOTE. At the prices below I do not prepay charges but state the amount of postage required for each. I make no charge for packing.



Abutilon, Souvenir de Bonn

ABUTILON

(Flowering Maple)

Souvenir de Bonn. A clean vigorous growing house plant, easy to care for and blooming continuously. The leaves are large, deep green in color and edged with a broad white margin. Flowers, a beautiful shade of bronzed-red. 10c each, 3 for 25c, \$1 per dozen. Postage, 5c each.

ASPARAGUS

Plumosus nanus or **Lace Fern.** A graceful dark green feathery foliage plant, the leaves being so finely divided as to resemble lace. 10c each, 3 for 25c, \$1 per doz. Postage 5c each.

Sprengeri. A very rapid grower, especially fine for hanging baskets or large pots. It is a very satisfactory house plant as it is not susceptible to sudden changes in temperature. 10c each, 3 for 25c, \$1 per dozen. Postage, 5c each.

ARAUCARIA EXCELSA

Also known as Norfolk Island Pine, Christmas Tree Palm and Star Palm. The foliage is deep green: branches; in tiers or whorls, one above the other at regular intervals. Height, 12 to 15 inches; each, \$1; postage 10c. Larger sizes, 18 to 24 inches; each, \$2; postage 25c.

CYPERUS

(Umbrella Palm)

A very attractive plant for pot culture and especially desirable for ferneries and aquaria. 10c. each, \$1 per doz., postage 5c. each.

FERNS

The Boston Drooping Fern. A most satisfactory house plant. The fronds droop gracefully and remain fresh and healthy for a long time. It is a good grower and very hardy.

Prices from	Each	Doz.	Postage
2 in. pots	10c	\$1.00	5c each
3	20c	\$2.00	5c
4 "	35c	\$3.50	10c "
5 "	50c	\$5.00	20c "
6 "	75c		
7 "	\$1.00		

Whitmani Fern. A beautiful new dwarf variety with wide leaves and very finely indented pinnae giving them a dainty ruffled appearance.

Prices from	Each	Doz.	Postage
3 in. pots	25c	\$2.50	5c each
4	50c	\$5.00	10c "

SMALL DECORATIVE FERNS. The Ferns listed below are all of them in the low growing class and are useful in filling ferneries, fern dishes, etc. They are hardy and grow rapidly. Five are enough for an eight inch dish.

Prices on all varieties the same. 10c each, \$1.00 per dozen; postage, 3c each.

Adiantum cuneatum. The popular Maiden Hair Fern.

Aspidium Tsussimense. Very graceful with dark green, finely cut foliage.

Cyrtomium falcatum. Holly Fern. Thick dark green leaves.

Polystichum setosum. Lace Fern.

Pteris cretica, albo-lineata. Variegated green and white foliage.

Pteris Wimsetti. A very finely crested form. Splendid for fern dishes.

BEGONIA --- REX



The finest of the ornamental leaved class. I have an especially fine strain. 15c. each, \$1.50 per doz.. postage 5c. Large sizes 25c.; 50c.



GREVILLEA ROBUSTA (Silk Oak.)

A beautiful decorative plant of easy and rapid growth. Foliage light bronzy green and covered with a soft down resembling silk. 15c each, postage, 5c.

GERANIMUS

The varieties offered below are the best of each class, all are large flowering sorts and sure to please.

Prices on all varieties. 10c., each, \$1 per doz., \$8 per 100, postage 5c. each.

DOUBLE

Beaute Poitevine. Salmon-pink; large.

Centaur. Fine pink.

Comtesse de Harcourt. Pure white.

General Grant. Scarlet.

S. A. Nutt. Brilliant, deep blood-red, with maroon shading, the finest of the kind.

FANCY FOLIAGE.

Black Douglas. Flowers, salmon; foliage, bronze, zoned with red.

Happy Thought. Flowers, rich rose; foliage, cream colored with a wide border of green.

Mrs. Pollock. Flowers, scarlet; foliage, bronze and scarlet with golden edge.

MISCELLANEOUS SORTS

Dr. Livingstone. Cut leaved, sweet scented foliage.

Jeanne d'Arc. Ivy leaved. Flowers double white suffused with lavender.

Leopard. Ivy leaved. Flowers very large, semi-double, clear, delicate pink, blotched and dotted with deep crimson-maroon.

Souvenir de Charles Turner. Ivy leaved, double; deep pink marked with maroon.

LANTANA

Valuable plants for summer bedding or for winter culture indoors. Colors vary from white, through various shades of rose and yellow to deep orange and brick red. 10c each, \$1 doz., \$6 per 100; postage, 5c each.

PONDEROSA LEMON

An everbearing lemon, easily cultivated in pots and bearing enormous fruits. Single fruits have been grown weighing over four pounds. The fruit is of the finest quality and cannot be excelled for culinary purposes while the sight of a tree bearing both flowers and fruit at the same time is a decided novelty. 20c each; postage, 5c

OTAHFITE ORANGE

A dwarf Orange, which grows, blooms and fruits freely in pots. A valuable house plant. Fruit about half the size of the ordinary orange. 20c. each; postage, 5c.

PALMS

Cocos Weddeliana. The most graceful little palm in cultivation. Owing to its small size it is especially fine for table decoration.

From 3 inch pots, 35c each; \$3.50 per doz. Postage, 5c each.

Latania Borbonica (Fan Palm). The well known variety. From 5 in. pots. 75c. each, \$7.50 doz.

Kentia Belmoreana. The best palm for general decorative purposes. The leaves arch gracefully and it stands a great deal of abuse.

4 inch pots, 75c. each, \$7.50 doz.

5 " " 18 to 24 inches high, \$1.25 each.

6 " " 24 to 30 " " 2.50 "

PANSY

Strong plants, ready for blooming, grown from seed of **Young's Prize** mixture. 5c. each, 35c. dozen, \$2.50 per 100, postage 10c. dozen.

PRIMROSE

Baby Primrose. (*Primula Forbesi*). A charming plant, having fleshy leaves and bearing a profusion of delicate rosy-lilac flowers on stems from 8 to 12 inches tall. 20c each; postage, 5c.

Chinese Primrose. In either White or Pink flowers. 20c each, 2 for 35c; postage, 5c.

English Primrose. (*Primula obconica grandiflora*.) A perpetual blooming Primrose bearing large trusses of pale lilac flowers on long stems well above the foliage. It is of easy culture but requires a rather cool temperature. 20c each; postage, 5c.

RUBBER PLANT

(*Ficus elastica*). An old favorite and one of the best plants for house culture as it resists gas, dirt, dust, etc., to a remarkable degree.

4 inch pot, 50c. each 5 inch pot, 75c. each

7 " " \$1 " Specimen plants \$2, \$3, \$4.

VINCA VARIEGATA

One of the best plants for vases, hanging baskets, window boxes, etc. The leaves are deep green with a broad, creamy-white margin. Flowers; blue. 15c. each, \$1.50 per doz., \$12 per 100, postage 5c., each.

HARDY PERENNIALS

Plants of this class are becoming more popular every year, as they are easy to cultivate; giving, with a little care in selection, a continuation of bloom from early spring until frost, and lending themselves admirably to the modern idea of the natural effect in gardening.

ON SINGLE AND DOZEN LOTS I MAKE NO CHARGE FOR POSTAGE OR PACKING. ON LARGER LOTS I MAKE NO CHARGE FOR PACKING, BUT GOODS GO BY EXPRESS AT PURCHASER'S EXPENSE.

ACHILLEA

The Pearl. Fine for garden or cemetery. Does well in any situation. Blooms from June to September. 2½ feet. 15c. each; \$1.50 per dozen; \$10 per 100.



ANEMONE

The Japan Anemones listed below are perfectly hardy and free blooming, making one of the most beautiful of our garden perennials. They grow from 3 to 5 feet high and bloom from about August 1 until frost.

Prices on both varieties, 15c. each, \$1.50 per doz., \$10 per 100.

Queen Charlotte, Beautiful Silvery-pink, semi-double.

Whirlwind. Pure white, semi-double.

COREOPSIS GRANDIFLORA

A valuable plant for either cutting or display purposes. It grows about 2 feet high, bearing a profusion of long stemmed golden yellow flowers. The flowering season is June, but if blooms are kept cut it will continue till fall. 15c. each; \$1.50 dozen; \$8 per 100.



AQUILEGIA

A favorite class of flowers, doing well in almost any location and blooming profusely. Height 2 to 3 feet, May to August.

Prices, 15c. each, \$1.50 per dozen, \$10 per 100.

Chrysantha. Clear golden-yellow.

Coerulea (Rocky Mountain Columbine). Beautiful rich blue, and white.

DELPHINIUM

(Hardy Larkspur)

The Delphinium should be in every garden, large or small, as they are easily grown and furnish an abundance of beautiful blue flowers from June until frost. Prices on all varieties 15c. each; \$1.50 per dozen; \$10 per 100.

Chinense. A very graceful variety with large flowers in various shades of blue. 18 inches high.

Elatum. Bee Larkspur. 3 to 5 ft. high. Flowers light blue, the center petals, folded inward, resembling a bee.

Formosum. 3 to 5 feet high. Beautiful rich blue flower; fine.

Giant Hybrids. 3 to 5 feet high. Flowers vary from pale to deep blue with centers from white to brown.

DICENTRA SPECTABILIS**(Bleeding Heart)**

Perennial plants, blooming in the early spring; favorably known almost everywhere. They require only the ordinary culture of border plants. Roots planted in autumn will flower freely the following spring. The flowers are a delicate pink in color, graceful, and produced in great abundance. 15c. each, \$1.50 per doz., \$10 per 100.

EULALIA

Tall ornamental tropical appearing grasses, 4 to 6 feet high, useful in clumps for the open lawn or border. Prices on all varieties, 20c. each, \$2 per doz., \$15 per 100.

Gracillima (Japan Rush). Foliage narrow, dark green with a silvery-white midrib.

Japonica zebrina (Zebra Grass). Blades long marked with a broad greenish yellow stripe across the leaf.

Japonica variegata. Long narrow blades striped green and white.

**FUNKIA****(Day Lily or Plantain Lily)**

A popular class of plants, easy to grow and handsome at all seasons. Prices, 15c. each; \$1.50 per dozen; \$10 per 100.

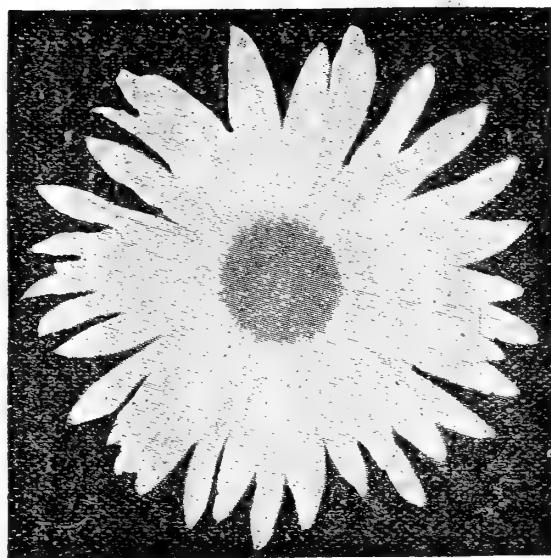
Alba. (White Day Lily). Pure white, fragrant.

Japonica. Blue.

Undulata media picta. (Striped leaved Day Lily). Foliage light green striped with white. Flowers, lavender.

HYACINTHUS CANDICANS**(Galtonia Candicans)**

(Giant Summer Hyacinth.) A fine plant for growing in clumps in borders, lawns or cemeteries. The plants should be heavily mulched if left outdoors where winters are severe. Grows from 3 to 5 feet high, bearing fragrant pure white flowers in racemes 9 to 12 inches long. 5c. each, 50c. per doz., not postpaid. Postage 2c. each, 10c. per doz. extra.

**SHASTA DAISY**

Thrives in almost any soil, blooming better each season. Flowers 3 to 4 inches across, pure white with a bright yellow center and borne on stiff wiry stems 18 to 24 inches long. Fine for cutting. 15c. each; \$1.50 per doz.; \$10 per 100.

HIBISCUS**(Rose Mallow)**

Handsome border plants, growing from 4 to 5 feet high, with broad leaves and large showy flowers. Prices, 15c. each; \$1.50 per doz.; \$10 per 100.

Moschuetus. (Swamp Rose Mallow). Flowers vary from light purplish red to nearly white with darker eyes. Blooms from July to September.

Moschuetus albus. (Crimson Eye). Pure white with crimson eye. Blooms in August.

Militaris. (Halberd leaved Rose Mallow). A tall growing variety with divided foliage. Flowers delicate flesh pink deepening to rose at the center.

HOLLYHOCK

Hardy biennials, 5 to 8 feet high. Valuable for groups in lawns or in clumps or rows as a border plant. Give a rich, deep well drained soil with plenty of water and liberal applications of well rotted manure. If blight appears pick off the leaves and burn them.

Double White, Pink, Yellow, Salmon or Red. 20c. each; \$2 per doz.; \$15 per 100.

Double Mixed. 15c. each; \$1.50 per doz.; \$10 per 100.

Allegheny. 20c. each; \$2 per doz.; \$15 per 100.



JAPAN IRIS

(*Iris Kaempferi*)

The finest of the Iris family and very easy to grow. The flowers are flatter and broader than those of the German Iris and often measure 8 inches across. The colors vary from pure white through different tints and shades to the darkest purples and violets. Prices on all varieties. 25c. each, \$2 50 per doz., \$12 per 100.

DOUBLE VARIETIES

Beauty. Pure white, veined with rich violet.

Gold Bound. Pure white.

Hiawatha. White, heavily overlaid with dark violet.

Mt. Fell. White, overlaid and veined with rich violet blue.

SINGLE VARIETIES

Ajax. White, bordered and striped with violet.

Diadem. Pure white, inner petals lilac.

Maiden's Blush. Creamy white, veined with light red violet.

Sunrise. Outer petals white, veined with rich lilac. Very large flower.

GERMAN IRIS

(*Iris Germanica*)

The old time Fleur de Lis. Easy to grow, perfectly hardy and beautiful in coloring. 15c. each, \$1.50 per doz., \$10 per 100.

Bacchus. White, edged with lavender.

Celeste. Light blue.

Madcap. Lavender and purple.

Phidias. Bright yellow, lower petals mahogany.

Sappho. Lavender blue, lower petals rosy purple.

Souvenir. Old gold and purple.

Teresita. Lavender, lower petals purple.



CHINESE PAEONIAS

The Chinese Herbaceous Paeonies are among the most valuable of our hardy plants because of their large size and fine appearance and profuse blooming qualities. They do best in a good, deep rich soil, and open sunny position. 25c. each; \$2.50 per doz.; \$15 per 100.

Amabilis grandiflora. Deep cherry-red.

Elegantissima. Outer petals rose, center cream and rose.

Festiva alba. Pure white.

Festiva maxima. White with very few small scarlet flakes and stripes in the center. Very large. 60c. each; \$6 per doz.

Limbata. Rose, large and fine.

Magnifica. Blush, with lilac and salmon shadings, very double and free blooming.

Madame Morren. Outer petals blush, center salmon.

Nivale. Rose, large and full.

Officinalis rubra. Rich deep crimson very early, fragrant.

Rosea mutabilis. Rose and pink shaded.

Victoria modesta. Outer petals rose, center salmon and pink, changing to white.

HARDY PINKS



A desirable class remaining in the open ground all winter without protection. Begin blooming in June. Very beautiful and fragrant. 15c. each, \$1.50 per doz., \$7 per 100.

Comet. Red, very fragrant.

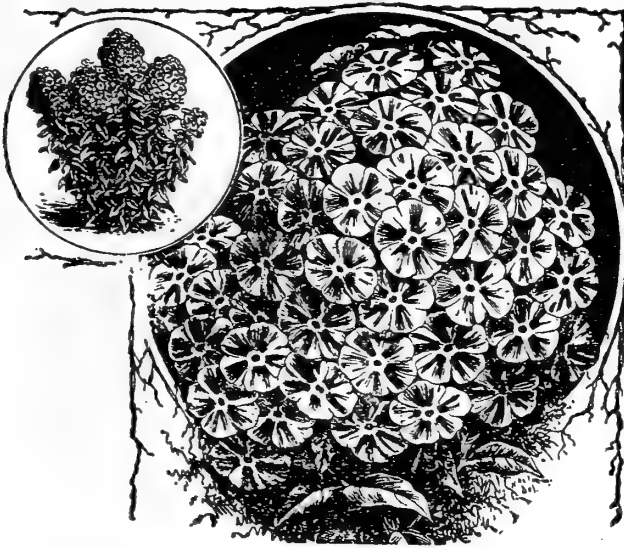
Her Majesty. Pure white, long stiff stems.

White Reserve (Everblooming). White; finely fringed.

LILY-OF-THE-VALLEY

Give a partly shaded situation in a mixture of leaf-mold, sand and plenty of well-rotted manure. Set the roots about 2 inches below the surface. No further attention is required. They are perfectly hardy, and are not injured by frost.

First Quality Pips. For out-of-door planting. 3 cts. each; 30 cts. per doz.; \$2 per 100.



HARDY PERENNIAL PHLOX

The modern Hardy Phloxes are hardly to be compared with the old fashioned varieties as they are enough better to be in a class by themselves. The flowers are more than twice as large, more delicate and varied in coloring and they bloom profusely from June till frost. Prices on all varieties the same. 15c. each, \$1.50 per doz., \$10 per 100.

Cross of Honor. White, striped with lilac.

Esclamonde. Rosy lilac, shaded white and having a large purple center in a white eye.

Eclaireur. Carmine, salmon center, rosy white star.

Isabey. Orange-salmon, center purplish crimson.

Lothair. Red, crimson eye.

Richard Wallace. Pure white, with violet eye.

Sir Edwin Landseer. Brilliant carmine crimson, large heavy truss.

Sportsman. Crimson, purple eye.

The Pearl. Pure white, very fine.

HARDY POPPIES

Oriente. Mixed Hybrids. Beautiful hybrids of the Large Perennial Oriental Poppy. 1½ to 2 feet high. Flowers, very large, often 6 inches or more in diameter, and varying in colors, including the rare cherry, salmon, rose, lilac and mauve shades. 20c. each, \$2 per doz.

Bracteatum. Leaves and stems very hairy: flowers, bright red. 15c. each, \$1.50 per doz.

Nudicaule (Iceland Poppy). Charming little hardy perennials. The leaves are rather low growing and spreading; flowers, borne on slender stems, about 12 inches long and are exceedingly dainty. Colors, orange, yellow and white. 15c. each, \$1.50 per doz.

Perennial Poppies. Mixed; a fine assortment. 15c. each, \$1.50 per doz.

PRIMULA VERIS SUPERBA

A grand Hardy English Primrose, having the habit of a Polyanthus with the pale yellow color and the fragrance of the Primrose. It is perfectly hardy, grows from 6 to 10 inches high and bears trusses of bloom often 6 inches in diameter. Flowers earlier and longer than any other Primrose. 15c. each, \$1.50 per doz., \$10 per 100.

STOKESIA CYANEA

The Cornflower Aster or Stokes' Aster, a beautiful hardy perennial from the mountainous regions of the South; grows from 18 to 24 inches high, blooming from July till frost. Flowers 4 to 5 inches across, lavender blue in color. 15c. each, \$1.50 per doz., \$10 per 100.



TRITOMA PFITZERI

(Red Hot Poker,) (Flame Flower,) a striking plant for the hardy border, for massing or for clumps on lawns. Grows from 3 to 5 feet high, bearing flower spikes often a foot long, rich orange scarlet at the top and shading downward to orange yellow. 20c. each; \$2 per doz.; \$15 per 100.

YUCCA FILAMENTOSA

(Adam's Needle). A broad leaved tropical-appearing plant sending up branching flower stalks from 3 to 4 feet high, bearing large fragrant drooping creamy-white flowers. Blooms in June and July. 25c. each; \$2.50 per doz.

HARDY ROSES

All 2-year-old field-grown, grafted and budded stock. Prices, except where otherwise noted, 25 cts. each; \$2.50 per doz., by mail or express prepaid.

HYBRID PERPETUALS.

This class produces large beautiful flowers, and the varieties offered below are all perfectly hardy, and when established bloom freely at the usual season, June and July, and at intervals during the summer and fall.

American Beauty. A strong vigorous grower with large, very fragrant, globular flowers; deep pink in color, shaded with carmine. Fine for forcing under glass. 45 cts. each; \$4.50 per doz., by mail or express prepaid.



Frau Karl Druschki (New). The most beautiful and valuable white rose yet introduced. It is hardy, a good strong grower with very heavy dark green glossy foliage and produces its flowers on long strong stems. The buds are long and pointed and show a faint tinge of pink. The flowers when opened are large, pure shining white with thick broad leathery petals. It has a tea fragrance. 35 cts. each; \$3.50 per doz., mail or express prepaid.

General Jacqueminot. Vigorous and very hardy. Flowers large but not full; brilliant crimson in color; fragrant. Forces well.

Madame Gabriel Luizet. Strong grower with very large cup-shaped pink flowers. Slightly fragrant. One of the best sorts and especially fine for exhibition purposes.

Margaret Dickson. Strong grower with very large dark green foliage. Flowers, white, with a pale flesh-colored center; petals; shell shaped, large and thick. Very fragrant. One of the best.

Marshall P. Wilder. Very hardy and vigorous and an unusually free bloomer. Flowers large, semi-globular, full and finely formed; color; cherry-carmine. Very fragrant.

Mrs. John Laing. An exceptionally fine sort. It is a vigorous grower and flowers continuously. Stems; strong; flowers; large, finely formed, soft pink in color and very fragrant. Very fine for forcing.

Paul Neyron. Vigorous in growth: stems; rather smooth; foliage; tough. Flowers; deep rose color; a free bloomer and valuable for either garden or greenhouse.

Ulrich Brunner. A first class variety. Hardy, vigorous and blooms freely. Flowers; strong stemmed and finely formed with thick petals. Color; brilliant cherry-red.

MISCELLANEOUS VARIETIES

Catherine Mermet (Hybrid Tea). Half hardy. Strong grower, good bloomer. Flower; large, bright rose color. An old standard sort for forcing. 35 cts. each; \$3.50 per doz., mail or express prepaid.

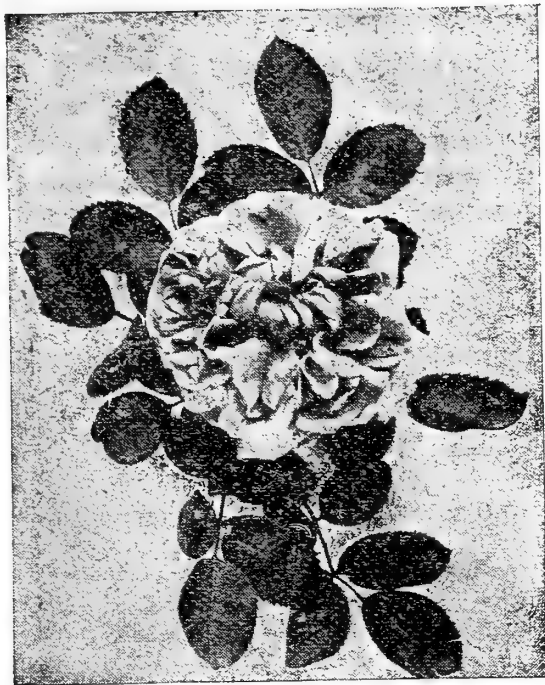
Kaiserin Augusta Victoria (Tea). Half hardy. One of the best. Vigorous grower and very free bloomer. Flowers; very large, full and double; color; white, faintly tinted with cream. Fragrance; a delightful combination of tea and magnolia. 35 cts. each; \$3.50 per doz., mail or express prepaid.

LaFrance (Hybrid Tea). Half hardy. Another old standard variety. A moderately strong grower and a constant bloomer. Flowers; very large, globular and full. Color; delicate silvery rose changing to silvery pink, delicately colored and very fragrant. 35 cts. each; \$3.50 per doz., mail or express prepaid.

Magna Charta (Hyb. China) Hardy. Vigorous grower. Stems and foliage light green. Spines numerous and dark. Flowers; full and round; pink, suffused with carmine, fragrant. A fine forcing sort. 25 cts. each; \$2.50 per doz., mail or express prepaid.

Perle des Jardins (Hyb. Tea). Half hardy. One of the best known of the yellow roses. Medium in growth with large perfectly formed clear golden yellow flowers. 35 cts. each; \$3.50 per doz., mail or express prepaid.

Persian Yellow (Austrian). Hardy. The old time favorite. A moderately strong grower, branching freely; stems very spiny; foliage; small. Flowers; small, nearly full; bright yellow in color. Perfectly hardy and a very free bloomer. 25 cts. each; \$2.50 per doz., mail or express prepaid.



Soleil d'Or (Pernetiana). Hardy. The first of a new race of roses, the result of a cross between Persian Yellow and Antoine Ducher. It is a robust grower, having brown stems and a clear green foliage. Flowers are large of good substance and the most beautiful coloring; yellow, orange and pink being shaded and blended so perfectly that the effect is delightful. 35 cts. each; \$3.50 per doz., mail or express prepaid.

Moss Roses. Hardy. The charm of these roses is in their buds which are beautiful for bouquets or cut flowers. In three colors, **Pink, White or Red.** 25 cts. each; \$2.50 per doz., mail or express prepaid.

CLIMBERS

All 25c. each; \$2.50 per dozen.

Crimson Rambler. A rapid grower, frequently making shoots 10 to 15 feet in one season. The flowers are produced in trusses, and fairly cover the plant with a mantle of vivid crimson, which remains for many weeks.

Pink Rambler. A vigorous grower. Flowers; in clusters, medium sized, pink.

White Rambler. Similar to above. Flowers; in clusters, semi-double small to medium.

Yellow Rambler. Strong grower. Flowers; in clusters of 6 to 10, semi-double, yellow in bud, tinged with yellow when half open and white when fully open.

Dorothy Perkins. An exceptionally fine rose of American origin. It is unusually hardy and blooms profusely, bearing clusters of ten to thirty flowers on stems eight to ten inches long. The flowers are very double and a beautiful shell pink in color.

HARDY SHRUBS AND CLIMBERS

Prices do not include postage. Where they can be sent by mail postage is given; no charge is made for packing.

AKEBIA QUINATA

A graceful vine with small, deep green foliage and bearing in early spring numerous clusters of fragrant violet brown flowers. 20c. each, \$2 per doz. Postage 5c. each.

AMPELOPSIS

Veitchii. (Japan or Boston Ivy). Clings to any surface, either wood or stone and grows rapidly, forming a mat of foliage. In autumn the leaves change color to shades of orange, red and scarlet. 15c. each, \$1.50 per doz. Postage 5c. each. Extra large plants 25c. each, \$2.50 per doz. Postage 5c. each.

Quinquefolia (American Ivy, Virginia Creeper, Woodbine). Very hardy and a rapid grower, especially fine for fences, walls, etc. 20c. each, \$2 per doz. Postage 5c. each.

ARISTOLOCHIA SIPHO (Dutchman's Pipe)

A strong rapid grower, producing large, broad, light green leaves. Strong plants. 40c. each, \$4. doz. Postage 5c. each.

BERBERIS THUNBERGII

A handsome dwarf Japanese Barberry for low ornamental hedge purposes. In autumn the leaves turn to a bright red. Flowers, reddish; berries, bright crimson. 20c. each; \$2 per doz.

BIGNONIA RADICANS (Trumpet Vine)

A handsome old fashioned vine with large fern like foliage and deep orange colored flowers. 25c. each, \$2.50 doz.

CINNAMON VINE (Dioscorea batatas)

A rapid grower, having heart shaped glossy green leaves and bearing small clusters of cinnamon scented white flowers. 5c. each, 50c. doz., \$4 per 100. Postage 2c. each.

DEUTZIA LEMOINEI

A hybrid between *D. gracilis* and *D. parviflora*. Dwarf upright habit and free flowering. Flowers pure white 20c. each; \$2 per doz.; \$15 per 100.

FORSYTHIA SUSPensa

(Golden Bells). An erect growing shrub bearing bright yellow drooping flowers. Blooms in April. 20c. each; \$2 per doz.

CLEMATIS

The most popular of all climbers, grows rapidly in almost any good soil, responds well to extra manuring.

Jackmanii. Profuse bloomer. Flowers from 4 to 6 inches across, intense violet purple in color. 35c. each, \$3.50 per doz., \$25 per 100. Postage 5c. each.

Madame Edouard Andre. Profuse bloomer, flowers large, bright crimson; fine. 35c. each, \$3.50 per doz., \$25 per 100. Postage 5c. each.

Paniculata. One of the most valuable of the climbers, grows very rapidly and bears its pure white fragrant flowers in large clusters. 20c. each, \$2 per doz. Postage 5c. each.

HIBISCUS SYRIACUS

(Althea) (Rose of Sharon). Beautiful shrubs blooming from August to October and bearing large showy flowers.

Double Red, Double White, Single White. 20c. each; \$2 per doz.

HYDRANGEA PANICULATA GRANDIFLORA

Large panicles of white flowers changing to pink at the base. Perfectly hardy, grows rapidly, eventually attaining a height of 6 to 8 feet; commences to flower in August, when very few shrubs are in bloom, and lasts until cut off by severe frosts. Fine hardy plants, 20c. each; \$2 per doz.; \$15 per 100; extra large plants, 40c. each; \$4 per dozen; \$30 per 100.

CALIFORNIA PRIVET

One of the best hedge shrubs known. Is thornless. Nearly evergreen and can be trimmed in any form.

	Height	Doz.	100	1000
Strong 1 year old	18-24 in.	40c.	\$3.00	\$25.
" 2 "	24-30 "	60c.	4.50	40.
" 3 "	30-60 "	1.00	8.00	60.

PURPLE FRINGE

(Smoke Tree) A beautiful spreading shrub, bearing large feathery sprays of purplish green resembling clouds of smoke. 20c. each; \$2 doz.

SYRINGA GRANDIFLORA

A popular shrub, bearing clusters of large fragrant flowers. 20c. each; \$2 doz.

SPIRAEA

A fine class of low spreading shrubs, easily grown and blooming freely. 20c. each; \$2 doz.

Anthony Waterer. One of the finest. Flowers dark crimson. Blooms all summer.

Douglasi. Rose colored; blooms July and Aug.

Van Houttei. The best of the Spiraeas. Plant is literally covered with masses of snow-white flowers, very hardy.

HALL'S HONEYSUCKLE

An evergreen Japanese variety, the foliage remaining green after severe freezing weather. Flowers pure white, changing to yellow, very fragrant. 25c. each; \$2.50 per doz. Postage 5c. each.

WISTARIA SINENSIS

A very strong, rapid grower; prefers a sunny location. Flowers borne very freely in long racemes.

Blue or White. 30c. each, \$3 per doz.

SMALL FRUITS

Single and dozen lots by mail or express, prepaid. Larger lots by express or freight at purchaser's expense. Special prices on large lots quoted on application.

STRAWBERRIES

CULTURE. Strawberries require a thorough preparation of the ground by spading or plowing. Work into the soil a liberal quantity of sheep manure and wood ashes. Plant in rows 2 feet apart, the plants 15 inches apart in rows. Pinch off all runners. Cultivate frequently. In December cover the entire bed 1 inch deep with straw or long litter. In late March remove the litter from the crowns of the plants leaving sufficient about the plants to cover the ground and keep the berries clean.

This system of Strawberry growing is especially adapted to autumn and summer planting, and produces the finest berries and largest crop from a given area.

Varieties marked (P) are pistillate.

Bederwood. Perfect blossom. Second early. Very productive. Medium large; good grower; light red in color. 100, \$1.00; doz., 35c.

Bubach (P). Very large; strong grower; dark red in color. 100, \$1.00; doz., 35c.

Lovett. Perfect blossom. Extremely late; large and productive. Good grower and one of the best for canning. 100, \$1.00; doz., 35c.

Wm. Belt. Perfect blossom. Medium to late. Large; fine quality; good grower; dark red in color; very fine for the table. The first few berries are fan-shaped, and after that they are of the regular shape. 100, \$1.25 doz., 40c.

Glen Mary (P). This fine sort is of large size, good quality and large yield. In these three respects we believe it is unsurpassed. Color, dark glossy crimson. 100, \$1.00; doz., 35c.

GOOSEBERRIES

All two-year-old bushes

Plant in rows. The same directions given for Currants apply equally to Gooseberries. The greatest enemy is mildew, which, however, may be generally avoided by planting in partial shade and by thorough mulching. The varieties offered below are seldom attacked by mildew.

Downing. The best of the American seedlings; fruit, large, pale green, and of excellent quality, for cooking or table use. Bushes, stocky, vigorous, hardy and very prolific. Doz., 80c.; ea., 15c.

Pearl. Very prolific. Fruit, white, medium size and fine quality. Doz., 80c.; ea. 15c.

RASPBERRIES

Before strawberries are entirely gone Raspberries begin to ripen, and if right varieties have been selected, there need be no break in a continuous supply, both for home and market. Plant in rows 5 to 6 feet apart, with plants 2 to 3 feet in the row. They should be pinched back when 2 to 3 feet high and allowed to branch freely and so form strong, stocky bushes.

Columbian. Midseason. Purple. Most desirable for the garden; very strong-growing, hardy cane, often an inch or more in diameter and branching very freely. A rich table berry. 100, \$2.00; 50, \$1.25; doz., 50c.

Cuthbert. Midseason. Red. Plant of vigorous growth. Very prolific; fruit, very large, crimson, firm and good. 100, \$2.00; 50, \$1.25; doz., 50c.

Gregg. Late. Black. Canes of strong, vigorous growth; berries, very large, with heavy bloom. 100, \$2.50; 50, \$1.50; doz., 60c.

Loudon. Red. Hardier, better and more productive than Cuthbert. Berries, firm, bright red; splendid shipper. 100, \$3.00; 50, \$2.00; doz., 80c.

Miller. Early. Red. Large-fruited and profuse bearer; excellent grower, with large and abundant foliage. Color, brilliant red; sweet, luscious flavor. 100, \$2.00; 50, \$1.25; doz., 50c.

Marlboro. Early. Red. The largest of the early red Raspberries. The canes are hardy and fairly productive; berries, crimson and of fine quality. 100, \$2.00; 50, \$1.25; doz., 50c.

Ohio. Midseason. Black. Exceedingly productive; very hardy, excellent quality; berries of good size; jet black. 100, \$2.50; 50, \$1.50; doz., 60c.

BLACKBERRIES

Blackberries are not very particular as to soil, and can be grown on almost any tillable ground. They want liberal culture and not too heavy manuring, as it tends to too much cane-growth. Plant, cultivate and train same as Raspberries.

El Dorado. Second early. Fine quality and a good bearer. Berries, medium size, jet-black; sweet, rich and pleasant; canes, strong, hardy and productive. 100, \$3.00; 50, \$2.00; doz., 80c.

Early Harvest. Early. Profitable because of its extreme earliness and productiveness. Berries, uniform; glossy black; excellent quality. 100, \$1.50; 50, \$1.00; doz., 40c.

Erie. Early. Canes of ironclad hardness, strong growth, free from diseases, and very productive. Berries largest size, fine quality, handsome and firm. 100, \$2.50; 50, \$1.50; doz., 50c.

Rathbun. The largest Blackberry in cultivation. Hardy, vigorous and a great bearer. Fruit is large throughout the season, and as a shipper it is unsurpassed. 100, \$2.50; 50, \$1.50; doz., 50c.

CURRANTS

All two-year-old

A cool, moist location is best for this fruit, and for this reason it succeeds admirably when planted by a stone wall or fence, being benefited by partial shade. Plant in rows four feet apart and the plants three feet apart in rows. Keep the ground mellow and free of weeds and grass, using bone meal freely. Mulching is also advisable for the best returns.

Fay's Prolific. The best Red Currant grown; fruit, large, bright red, of good flavor and very free from acid. Bears early, and gives satisfaction everywhere. 100, \$3.00; 50, \$2.00; doz., 75c.

Red Cherry. A popular market variety, on account of its large-sized, deep red fruit. Very sturdy and thrifty grower. 100, \$3.00; 50, \$2.00; doz., 75c.

White Grape. The best white variety; large, handsome berries, and one of the best for the home garden. 100, \$3.00; 50, \$2.00; doz., 75c.

Black Naples. Fruit, large, handsome and highly flavored. An excellent variety for jams. 100, \$3.00; 50, \$2.00; doz., 75c.

HARDY GRAPE-VINES

All two-year-old stock

Plant in rows six feet apart, and eight feet apart in row. Dig holes sufficiently large to amply accommodate the roots of the vine, and use only fine surface soil in filling in, mixing it with a little ground bone and good manure.

Cut back one-year vines to two eyes, placing the lower one beneath the surface, spread the roots out, after trimming them. Place the stalk of the vine at one side of the hole and fill up with soil, pressing down firmly with the feet. Set a stake by the side of the stalk, to which the vine should be kept tied, which will be all the support needed for two years. Keep old wood trimmed off, growing fruit on new canes. Any way of pruning to admit the sun and air to the fruit will insure a crop.

Concord. One of the best old sorts; bunch and berries large; color, black, with a rich bloom. Doz., \$1.25; ea., 20c.

Delaware. Red. Bunches, compact; berries, small, sweet and of the most excellent flavor. Doz., \$2.00; ea., 30c.

Moore's Diamond. A grand white Grape, first quality fruit. It ripens very early. In vigor of growth, color and texture of foliage and hardness of vine, it partakes of the nature of its parent, Concord. Doz., \$1.50; ea., 20c.

Niagara. One of the best white Grapes. Hardy; fine quality. This is unsurpassed in its color and growth. Doz., \$1.50; ea., 20c.

Moore's Early. Color, black, resembling the Concord somewhat, but ripening two weeks earlier. Doz., \$1.75; ea., 25c.

Worden. Black. Very juicy, large size; early. One of the best for family use. Doz., \$1.75; ea., 25c.

FLOWER SEEDS FOR FALL SOWING

At prices below I prepay postage

ANTIRRHINUM

(Snapdragon.)

Beautiful showy perennials, which will bloom the first year if planted early; fine for massing in large beds for a display of color or for growing near shrubbery. Grows from 2 to 3 feet high and blooms profusely. Excellent for cut flowers.



The old time Antirrhinums were confined to a rather narrow range of colors, far different from the modern giant flowered type which are fully twice as large and most beautifully colored and marked. I wish everyone could have at least a few plants.

The following are all of the GIANT FLOWERED class.

Album; Pure white: *Album rubro striatum*; white, striped with red: **Brilliant**; scarlet, golden and white: **Crescia**; deep scarlet: **Delila**; carmine with, white throat: **Firefly**; scarlet: *Striatum*, striped varieties: **Yellow and Orange**: **Yellow striped with Red**.

Any of the above varieties, 5c. pkt.; 35c. for set of 9.

Queen Victoria. A beautiful new variety; flowers very large, of purest white. 10c. pkt. Set of 9 varieties and 1 pkt. Queen Victoria, 40c.

Extra Fine Mixed Colors. 5c. pkt.

TOM THUMB. Dwarf plants, growing about 6 inches high, fine for edgings and borders; **mixed colors**, 5c. pkt.

AQUILEGIA

(Columbine)

Sometimes called Honeysuckle. They do well under ordinary garden culture, but best in a moist location. Are perfectly hardy and each plant forms a large clump, from 1 to 2 feet in diameter, which can be divided if desired. To all whose acquaintance has been limited to the old wild Columbine (*Aquilegia canadensis*), with its familiar red and yellow flowers, the newer sorts will be a revelation. There is simply no comparison between the two, for the latter are so much better that they are almost an entirely different flower. While in beauty they are unsurpassed, and the large, graceful flowers, borne on slender, wiry stems, are especially desirable for cutting.



California Hybrids. Beautiful, large, yellow flowers with dark orange spurs. 2 ft. Pkt., 5c.

Chrysantha. Golden yellow, fine. 3 ft. Pkt., 5c

Coerulea. **True Rocky Mountain Columbine.** Sepals; deep, clear blue: petals; white: flowers; 3 in. across: beautiful. 2½ ft. Pkt., 5c.

Coerulea hybrida. Fine, long spurred, large flowers; yellow, with orange and blue spurs. 3 ft. Pkt., 5c.

Glandulosa vera. Very large, erect flowers; deep blue, with pure white corolla. 3 ft. Pkt., 10c.

Skinneri. (**Mexican Columbine.**) Distinct and striking: flowers; very large; scarlet tipped with green. 2 ft. Pkt., 5c.

Double Mixed. Pkt., 5c.

Single Mixed. Pkt., 5c.

BABY'S BREATH. See Gypsophila.

ALYSSUM

Should be in every garden. It is easy to grow, blooms profusely and will do well almost anywhere; in beds, borders, pots or baskets. The fine, white flowers of the annual sorts are very fragrant and are fine for cutting.

Sow in boxes and transplant, or sow thickly in the open ground early in the spring. For winter blooming, sow in August. If plants are too thick thin them out and when they stop blooming cut them back and you will get a second crop.

ANNUAL SORTS

(*Alyssum Benthami*)

Sweet Alyssum. The old time fragrant variety. 10 in. Oz., 30c.; pkt., 5c.

Little Gem. Very dwarf, fine for borders and edgings. 4 in. Oz., 40c.; pkt., 5c.

Dwarf Bouquet, or Carpet of Snow. Extra dwarf and compact, best for pots. 3 in. Oz., 50c.; pkt., 5c.

PERENNIAL SORTS

Saxatile compactum. (Gold Dust.) Very beautiful; flowers, bright yellow; foliage, greyish-green, compact, grows very rapidly. 12 in. April. Oz., 60c.; pkt., 5c.

Wierzbecki. Flowers; deep yellow: close heads, grows rather erect. 12 in. Summer. Oz. 60c.; pkt., 5c.

BELLIS

(Double or English Daisy)



Charming little free blooming hardy perennials, 6 inches high. They do the best on cool, moist soils. Sow the seed indoors in February and transplant, or sow out of doors very early in the spring.

Alba. Pure white. Pkt., 5c.

Long fellow. Beautiful large dark rose-colored flowers

with long stems. Pkt., 5c.

Mixed Colors. Best German Seed. Pkt. 5c.

CAMPANULA CALYCAN-

THEMA.

"CUP AND SAUCER"

A handsome sort, with flowers about 3 inches long and saucers 3 inches across. Often has 40 or 50 flowers in bloom on one plant at a time.

Finest Mixed Colors. Oz., 80c.; pkt., 5c.



CAMPANULA

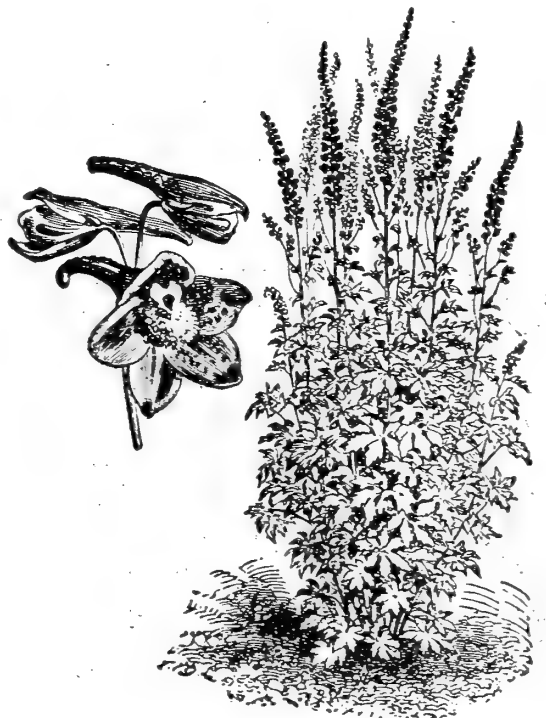
An old time favorite and one which is always good. It is a biennial, but if sown early and transplanted, will bloom the first season. The best way, however, is to sow the seed in July, carry the plants over the winter in cold frames or under straw or leaves and set them out early the following spring. They like a rich, sandy soil, with good drainage. 2 feet.

Single, Mixed Colors. Oz., 30c.; pkt., 5c.

Double, Mixed Colors. Oz., 80c.; pkt., 5c.

COREOPSIS GRANDIFLORA

One of the best of our hardy perennials: begins flowering early in the summer and gives a profusion of bright golden yellow blooms, borne on long stems. Plants grow about 2 feet high; prefer a cool, rather moist soil. Oz., 50c.; pkt., 5c.



Giant Hybrid Delphinium

DELPHINIUM

(Larkspur)

No other flowers give us such a variety of beautiful blue tints as these. The perennial sorts are very desirable for the hardy garden or for back-grounds, borders or isolated clumps. They never fail to attract admiration and are excellent for cutting. The annual varieties being lower growing are fine for borders, bedding purposes, etc. Sow the seed early in the spring; the annual sorts will bloom in August and the perennials early the following summer; give them a cool soil and location.

PERENNIAL VARIETIES

Chinense. Very fine, 2½ feet, branches freely blue, pink and white, mixed; blossoms first season. 40c. oz.; 5c. pkt.

Formosum. Deep brilliant blue, white eye. 3 ft. \$1.50 oz.; 10c. pkt.

Formosum coelestinum (true). Beautiful, clear sky-blue. \$2.50 oz.; 15c. pkt.

Nudicaule. Dwarf and compact. 1 ft. high. A brilliant and showy sort; flowers, bright scarlet. Include a packet of this variety with your order. 25c. pkt.

Zalil. Beautiful long spikes of yellow flowers. 2 feet. 10c. pkt.

Giant Hybrids. Grow from 3 to 6 feet high; flowers all shades of blue, the finest assortment to be had. \$1.00 oz.; 10c. pkt.

GAILLARDIAGRANDEFLORE

Hardy perennial, growing about 2 feet high, with large, brilliant flowers in crimson, scarlet, orange and yellow; fine for growing in masses or among shrubbery; excellent for cutting. Oz. 50 cts., pkt. 5 cts.

GYPSOPHILA

Graceful, finely branched, free blooming plants, especially valuable for bouquets, as a few sprays mingled with large, heavy flowers contrast the solid appearance and give a lighter and more delicate effect. Will grow in any garden soil and are easily cultivated.

Elegans. Hardy annual: 8-12 inches: flowers; white. Oz., 20c.; pkt., 5c.

Muralis. Hardy annual, growing from 8 to 10 inches high; flowers, delicate pink. Oz., 50c.; pkt., 5c.

Paniculata. (Baby's Breath.) Hardy perennial, 2 feet high, with white flowers. Oz., 40c.; pkt., 5c.

HELIOPSIS PITCHERIANA

A beautiful, free-flowering, hardy perennial, growing about 3 feet high and bearing all summer an abundance of yellow flowers. It resembles a single Sunflower so closely that it is hard to tell the difference between them. In my opinion it is the best yellow flowered perennial of its class for either display purposes or for cutting. Pkt., 5c.

DIANTHUS

The members of this family are decidedly numerous, so much so that it is useless to list them all, as it would cause no end of confusion, so I give here the best sorts and have endeavored to indicate the differences between the varieties and classes.

DIANTHUS BARBATUS

(Sweet William.) The good old-fashioned "Bunch Pinks" of our grandmothers, but wonderfully improved under modern methods of plant breeding, which have increased the size and the range of colors and shades. They are perfectly hardy perennials, but it is a good plan to sow fresh seed every year as the old plants soon lose



their vitality and produce smaller flowers. Sow very early in spring and transplant to their permanent location. May also be sown where wanted and thinned out. If sown very early and transplanted they will bloom the first season. Another method is to sow in July or August, when they will bloom early the following summer.

Single. Finest mixed. 30c. oz.; 5c. pkt.

Double. Finest mixed. 50c. oz.; 5c. pkt.

Auricula Flowered. Single mixed. 30c. oz.; 5c. pkt.

Auricula Flowered and Margined (Hunt's Perfection). Single, very fine. 40c. oz.; 5c. pkt.

Auricula Flowered. Double mixed. \$1 oz.; 10c. pkt.

Holborn Glory (new). Extra large single flowers of beautiful shades. 75c. oz.; 10c. pkt.

DIANTHUS PLUMARIUS. Commonly known as May or June Pinks and Grass Pinks; fine, fragrant, hardy perennials; are relatives of the Carnation, but hardier and have smaller flowers.

Single Mixed. 40c. oz.; 5c. pkt.

Double and Semi-Double Mixed. \$1 oz.; 5c. pkt.

Cyclops. Beautiful, rose colored with deep crimson eye; sweet, clove-like perfume. 5c. pkt.

Scoticus (Double Scotch Pink). New strain with richly colored flowers; fine for florists. 15c. pkt.

Semperflorens (Perpetual Pink). Continuous bloomers, with a great range of colors: flowers; double, semi-double and single: very spicy. 5c. pkt.

DIGITALIS

(Foxglove)

An old time favorite hardy perennial, which is again coming into popularity. The stately flower spikes make them valuable in the border or among shrubbery or as a background for lower growing plants. Give a rich, moist soil and, if possible, a partially shaded location. Sow the seed in early spring or in July and transplant to permanent location. When center spike fades cut it off and side shoots will bloom. Height, 2 to 3 feet.

Gloxiniaeflora. So called from the beautiful gloxinia-like markings in the throats of the flowers. Mixed colors. Pkt., 5c.

Ivery's Spotted. Large flowers beautifully marked, in a variety of colors. Pkt., 5c.

Purpurea. **Mixed.** The old original sort. Oz., 30c.; pkt., 5c.

Selected Mixed. Combines the finest of the different varieties. Oz. 60c.; pkt., 5c.

MYOSOTIS

(Forget-Me-Not)

Beautiful hardy perennials about 6 inches high, thriving best in cool, moist locations. They are especially fine for borders or other places where a low growing plant is desired. Nearly all varieties bloom the first season and when once established will self-seed. Sow indoors and transplant, or out of doors when weather is settled.

Alpestris. A graceful trailing variety with bright blue flowers. Oz., 60c.; pkt., 5c.

Victoria. Bushy and symmetrical. Flowers; bright sky blue, borne in large clusters. Pkt. 10c

Perfection. A very robust sort, growing about 9 inches high: flowers; deep blue and have twice as many petals as other varieties. Pkt., 10c.

Palustris. The true marsh Forget-me-not; blooms the second year from seed. Flowers; clear blue with a yellow eye. Pkt., 10c.

HOLLYHOCK

In recent years the interest in this stately flower has revived and it is being given more attention each year, bringing improvements in size, form, vigor and color till we would hardly recognize the flower of our grandmothers in the glorious creations of to-day. Although it seems like a waste of time, I will say for the benefit of the few uninformed (if there be any) that it is a hardy biennial, growing from 5 to 8 feet high. Seed may be sown either under glass or out of doors early in the spring and during July and August and the seedlings transplanted to their permanent home; after they have become established give plenty of water and liberal applications of well rotted manure. If blight appears pick off the leaves and burn them.



Chater's Superb Hollyhock

Chater's Superb Double Mixed. A mixture of over twenty prize winning varieties. \$2.50 oz.; 10c. pkt.

Finest Double German Mixed. \$1 oz.; 5c. pkt.

Allegheny Fringed. A fine semi-double strain having large silky flowers. Early and continuous bloomers. Mixed colors. Oz., \$1.25; pkt., 10c.

LARKSPUR. See Delphinium.

MIGNONETTE

This quick-growing annual should be planted by everybody. It is easy to cultivate and sure blooming, but best of all is its delightful old fashioned fragrance. Seed may be sown at any time after the frost is out of the ground and successive sowings may be made in cool locations for later blooming. For winter blooming sow in pots and keep pots in a cool room till buds show, then bring into a temperature not above fifty degrees at night.

Odorata grandiflora. Large flowering, fragrant. 15c. oz.; 10c. 1-2 oz.; 5c. pkt.

Machet. A fine variety for pots: plant; 9 inches high and vigorous: spikes; thick, reddish. 60c. oz.; 5c. pkt.

Defiance. Excellent for either indoors or out; grows 18 inches high with long full spikes, the middle spike being much the longest. A fine sort for florists. \$1.50 oz.; 5c. pkt.

Ruby. A new and very beautiful sort. It appears to be a selection from Machet, having the same habit of growth, but the flower spikes are a beautiful coppery-red. \$1.50 oz.; 5c. pkt.

Goliath. The largest and best of all for either outdoor or house culture. Grows about 1 ft. high, with a very stiff stalk and vigorous foliage. The spikes are very large and dense, reddish colored and unusually fragrant. It is a heavy seeder. \$3 oz.; 10c. pkt.

PANSY

No flower is more popular. It blooms freely until late in the fall after all other flowers are gone, withstands severe winters and is one of the first to greet us in the spring. For summer flowering sow indoors and transplant; for autumn blooming sow out-of-doors in a cool place during May or June, and sow again in August for spring blossoms. They prefer a rather cool, moist soil with plenty of richness. Young plants give the largest and finest flowers.

Young's Prize Mixture. In this mixture I claim to have the finest Pansies produced in either this country or abroad. Each year I add the best of the newest introductions and discard others which are becoming common, keeping the whole mixture blended harmoniously so that no one variety overbalances the other. In this way I enable my friends to secure the best to be had at a moderate price instead of being obliged to buy, at considerable expense, separate packets of novelties.

I take great pains with this mixture and hope that all my friends who have not done so, will give it a trial for I feel sure that the results will be highly satisfactory. $\frac{1}{4}$ oz., \$2.50; $\frac{1}{8}$ oz., \$1.50; pkt., 25c.

Bugnot's Superb Blotched. Very handsome and rare colors, many of the flowers have the two upper petals marked with fine lines. Mixed colors. $\frac{1}{8}$ oz., 75c.; pkt., 10c.

Cassier. The largest of the blotched pansies; plants, compact, flowers, finely formed and of good substance. Mixed colors. $\frac{1}{8}$ oz., 75c.; pkt., 10c.

Orchid Flowered. A beautiful new large flowered strain, including all of the soft and delicate tints and shades in pink, lavender, delicate blue, yellow, etc. They are unsurpassed. $\frac{1}{8}$ oz., 75c.; pkt., 10c.

Masterpiece. A fine selection from the best of the giant blotched pansies, nearly all of them being ruffled and having a ruffled or curled edge. $\frac{1}{8}$ oz., 75c.; pkt., 10c.

Parisian Large Stained. A beautiful mixture of the best of the Giant Pansies, nearly all of them being eight colors and blotched. $\frac{1}{8}$ oz., 75c.; pkt., 10c.

Giant Mixed. Vigorous, compact; grows with a splendid range of colors, and the largest flowers. $\frac{1}{4}$ oz., 50c.; pkt., 5c.

Striped and Mottled. A mixture containing nothing but striped, variegated and mottled sorts in all colors; very fine. $\frac{1}{4}$ oz., 40c.; pkt., 5c.

Fine Mixed. Contains all of the standard named varieties in mixture. Oz., 80c.; $\frac{1}{4}$ oz., 25c.; pkt., 5c.

GIANT NAMED VARIETIES

All at 5 Cents Per Packet.

Adonis. Light blue, beautiful.

Bridesmaid (new.) Shining rosy white, blotched and veined with carmine.

Emperor William. Ultramarine blue, with violet-purple eye.

Fire King (True.) Upper petals, bright, reddish-brown; lower petals, golden yellow, blotched with magenta.

Freya. Dark purple with pure white margin, beautiful.

Golden Queen. Pure Yellow.

King of the Blacks. Almost jet black, very fine.

Lord Beaconsfield. Pure violet, shading to white in the upper petals.

Snowflake. Pure white, extra fine.

White with Purple Eye.

Yellow with Black Eye.

POPPY

PERENNIAL VARIETIES

Oriente. Mixed Hybrids. Beautiful hybrids of the Large Perennial Oriental Poppy. Flowers, very large, often 6 inches or more in diameter, and varying in colors, including the rare cherry, salmon, rose, lilac and mauve shades. Pkt., 10c.

Bracteatum. Leaves and stems very hairy; flowers, bright red. Hardy perennial, 3 feet high. Pkt. 5c.

Nudicaule (Iceland Poppy.) Charming little hardy perennials. The leaves are rather low growing and spreading; flowers, borne on slender stems, about 12 inches long and are exceedingly dainty. Colors, orange, yellow and white. Pkt., 5c.

Perennial Poppies. Mixed; a fine assortment. Pkt., 5c.

PERENNIAL PEAS

(*Lathyrus latifolius*)

Fine mixed colors. Oz., 25c.; pkt., 5c.

VIOLETS

Sweet scented, mixed colors. Give a cool, moist, partially shaded location. Per pkt., 5c.

GRASS SEEDS

... FOR ...

LAWNS AND GOLF GROUNDS

NOTE—If Any of the Grasses Named Below Are Required by Mail, Add 6 Cents Per Quart for Postage.

Prospect Park Lawn Seed Mixture. This mixture is composed of those grasses which endure and keep getting thicker and better with age, combine the quick growing grasses, immediate effect, with lasting qualities. It is suitable for any location, having in its composition all the requirements for sandy loam, clayey soil and for a combination of soils. Bu., \$4.50; pk., \$1.25; qt., 20c.; pt., 10c.

For forming new lawns use not less than 4 bushels per acre. 100x100—10,000 square feet, use $1\frac{1}{4}$ bushels. 40x40 feet, 1 peck. 25x25 feet, use 4 quarts.

Shady Ramble Mixture. Just the thing for sowing under shade trees, as it is a combination of grasses which grow naturally in the woods. Bu., \$5; pk., \$1.50; qt., 25c.; pt., 15c.

City Yard Mixture. I prepare this mixture for city yards where the grass is trodden down, during the freezing and thawing of winter, by the tireless feet of children who must play somewhere out of doors. This mixture is made of quick growing grasses and will give immediate results in early spring. Bu., \$3.75; pk., \$1; qt., 25c.; pt., 10c.

Golf Link Mixture. There is no use to which a grass mixture is put that is so exacting as that used for golf links. No other turf is required to stand such wear and rough usage; hence the necessity of a thick and healthy turf and withstand constant tramping. I have the correct mixture and can guarantee satisfaction. Bu., \$5; pk., \$1.50; qt., 25c.; pt., 15c.

For the Putting Green. A careful study of the requirements for making the most substantial turf for putting greens developed this mixture. It has given perfect satisfaction wherever used, and produces a thick, tough, beautiful green turf, and one which will maintain its rich velvety color throughout the season. Bu., \$5; pk., \$1.50; qt., 25c.; pt., 15c.

Embankment or Terrace Mixture. To get a good stand from seed upon a terrace or embankment requires a special blend of grasses having thick spreading roots as the soil is usually shallow and heavy rains wash out the grass unless roots are exceedingly strong and tenacious. This mixture has been found equal to all requirements and will give perfect satisfaction. Bu., \$5; pk., \$1.50; qt., 25c.; pt., 15c.

FANCY GRASSES

Rhode Island Bent. Used in lawn and pasture mixtures; does well on most land. Bu., 20 lb., 2 to $2\frac{1}{2}$ bu. per acre. Lb., 40c.; postpaid.

Hungarian Brome Grass (*Bromus Inermis*). A fine grass in hay mixtures, or alone; succeeds on any soil and is one of the best for light, sandy lands. Lb., 25c.; postpaid.

Hard Fescue. Used as a pasture grass; does well on dry soils. Lb., 40c.; postpaid.

Meadow Fescue. Used in pasture and hay mixtures. Lb., 35c.; postpaid.

Red Fescue. Another excellent grass in pastures and meadows or on golf links with other grasses. Lb., 35c.; postpaid.

Hungarian. One of the best for a quick hay crop or for green feed. May be sown as late as July 1 and a crop secured. 48 lbs. to a bushel; $1\frac{1}{2}$ bu. per acre. Price on application.

Millet, German or Golden. A fine, quick-growing forage or green fodder plant. Bu., 50 lbs.; sow $\frac{1}{2}$ bu. to the acre. Price on application.

Millet, Siberian. From Russia. Very hardy and productive, grows about 4 feet high. Hay and fodder are very nutritious and relished by stock. 50 lbs. to bu. Sow $\frac{1}{4}$ bu. to an acre. Price on application.

Rye Grass, Perennial. A valuable pasture grass, used in mixture with other sorts. 24 lbs. to bushel; $1\frac{1}{2}$ to 2 bushels per acre. Lb., 25c.; postpaid.

Sweet Vernal, True Perennial. A very hardy, sweet smelling grass, valuable in lawn and pasture mixtures. Lb., \$1.35; oz., 15c.; postpaid.

GRASS AND CLOVER SEED

Pure Grass and Clover Seeds are among my specialties, and as I have the best of facilities for handling and the latest improved machinery for re-cleaning them, I can assure my patrons the highest grades to be had. Write for samples and prices before buying.

GRASSES

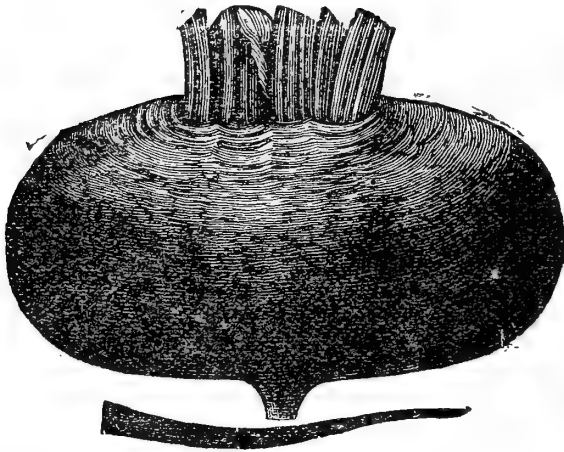
Timothy.
Red Top.
Kentucky Blue Grass.
Orchard Grass.

CLOVER

Medium Red.
Mammoth Red.
Alsike.
White.

VEGETABLE SEEDS FOR FALL USE

BEETS



Egyptian. An extra early sort, fine for forcing. Tops; small: roots; medium sized, turnip shaped, with small tap root: flesh; deep blood-red, zoned with lighter shade, fine grained, sweet and tender when young, but apt to get tough when old. Lb., 55c.; $\frac{1}{2}$ lb., 30c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Dirego. This has proved to be one of the best early beets in the market and is especially adapted to frame work. Tops are small: stems, slender: root; nearly globe shaped with smooth skin and has but one tap root. Flesh; dark crimson, zoned with lighter color, very sweet, crispy and tender. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Eclipse. One of the best and most popular of the early kinds. Tops small, allowing close planting: roots; nearly round, bright red and smooth, with small tap root: flesh varies, some being dark red, zoned with lighter red, others light red, zoned with white: fine quality and flavor. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

CORN SALAD OR FETTICUS

CULTURE. This is a hardy, quick-growing plant, the leaves of which furnish a good substitute for lettuce during the winter months. Seed is best sown on the approach of cool, moist weather in the fall to produce leaves for late fall, winter and early spring use. It is quite hardy, and the larger plants may be protected by a light mulch of straw during severe weather for early spring months. It does not give satisfaction during hot summer months.

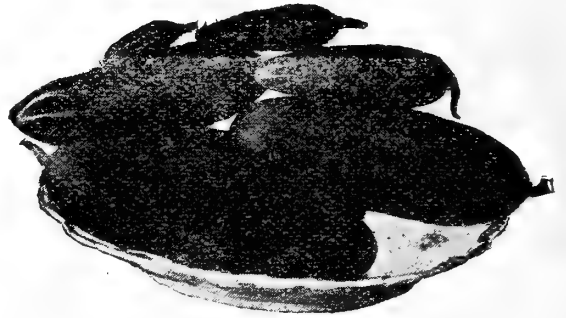
Large Green Cabbaging. Lb., 75c.; $\frac{1}{2}$ lb., 40c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

KALE OR BORECOLE

1 oz. for 150 feet of drill

Siberian or Winter Sprouts. Extensively grown as winter greens. Sow in September in rows, and treat as a spinach, for use in early spring. 60 cts. lb.; 35 cts. $\frac{1}{2}$ lb.; $\frac{1}{4}$ lb.; 10 cts. oz.; 5 cts. pkt., postpaid.

CUCUMBER



Young's Selected White Spine

This is the best and most profitable Cucumber for the market gardener, for hot-bed or for outdoor culture. It begins bearing early and yields abundantly throughout the season, keeping green longer than any other variety. The vines are vigorous, very free from blight or rust and bear heavily. The fruit is medium sized, almost straight, very dark green, marked with white at the blossom end; skin, smooth, with a few white spines. The flesh is firm, crisp, finely grained and sparkling white. 90 cts. lb.; 50 cts. $\frac{1}{2}$ lb.; 30 cts. $\frac{1}{4}$ lb.; 15 cts. oz.; 5 cts. pkt., postpaid.

Forcing White Spine. A selected strain especially for forcing under glass; fruit more slender than the Improved Early White Spine and darker green with fewer seeds. 90 cts. lb.; 50 cts. $\frac{1}{2}$ lb.; 30 cts. $\frac{1}{4}$ lb.; 10 cts. oz.; 5 cts. pkt., postpaid.

ENDIVE



CULTURE. Sow in June, July or August; when up thin out to eight inches apart, and water well afterwards, if dry. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with twine. This must be done when quite dry, or they will rot. At the approach of winter, take up carefully with plenty of earth on roots, and place together in frame or cellar for winter use. They must be kept dry, and have plenty of air, or they will rot.

Lb., \$1; $\frac{1}{2}$ lb., 55c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt., 5c.; postpaid.

Green Curled. This is the main variety for fall and winter use. Very tender and crisp.

Broad Leaved Batavian. This variety is distinct from the green curled, having broad wrinkled leaves,

CABBAGE

CULTURE. All members of the Cabbage tribe require a deep, rich, well drained soil and plenty of manure. Do not grow them on land where a root crop was grown the year before or you will be apt to get club rooted plants. For very early cabbages the seed can be sown in the fall in cold frames and the plants carried through the winter and transplanted to other cold frames in March, removing the frames when all danger of frost is past.

Young's Early Eureka. The heads are of the true Drumhead shape and as hard as Danish Ballhead, maturing from a week to ten days earlier than the Wakefield. It is a choice market sort, being handsome in color, shape and uniformity. Market-gardeners will find it one of the most profitable extra-early Cabbages, as, owing to the few outside leaves, the plants can be set close together, while a nice, round, solid head always sells better than a pointed one. My seed is Long Island grown, and so finely bred that practically every plant will produce a first-class solid head. 10 cts. pkt.; 50c. oz.; \$1.25 $\frac{1}{4}$ lb.; \$4 lb.

Early Spring. Heads round, slightly flattened and very solid, with small outer leaves, admitting of close planting. As early as Wakefield, and more productive. Lb., \$1.40; $\frac{1}{4}$ lb.; 45c.; oz., 15c.; pkt., 5c.



Early Jersey Wakefield. The popular early variety for either home or market garden. Heads; solid, conical, with a blunt tip and few outside leaves. It is very hardy and the foliage is thick and heavy, making it the best sort to winter over in cold frames. Lb., \$2; $\frac{1}{2}$ lb., \$1; $\frac{1}{4}$ lb., 55c.; oz., 20c.; pkt., postpaid.

Charleston or Large Wakefield. A selection from the Early Jersey Wakefield. Heads are larger, a few days later, and blunter. It is very popular among market gardeners. Lb., \$1.90; $\frac{1}{2}$ lb., \$1; $\frac{1}{4}$ lb., 55c.; oz., 20c.; pkt., 5c.; postpaid.

Early Winnigstadt. Very hardy and a sure header, with short, thick outer leaves. Heads; uniform in size, conical, with pointed tip and very solid. Good for either summer or winter. Lb., \$1.35; $\frac{1}{2}$ lb., 80c.; $\frac{1}{4}$ lb., 45c.; oz., 15c.; pkt., 5c.; postpaid.

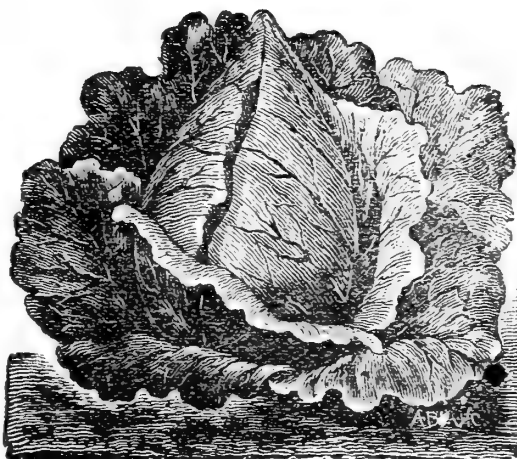
Newark Early Flat Dutch. Not a new one but good. It is an early selection from the old Flat Dutch. Heads are large and flat; stem, short; can be set moderately close. Lb., \$2; $\frac{1}{2}$ lb., \$1; $\frac{1}{4}$ lb., 55c.; oz., 20c.; pkt., 5c.; postpaid.



Early Summer. Valuable for both family and market garden. About ten days later than the Wakefield, but fully double the size. Stem, short. Heads; large, nearly flat and very solid, with few, short, outer leaves. Lb., \$1.40; $\frac{1}{2}$ lb., 80c.; $\frac{1}{4}$ lb., 45c.; oz., 15c.; pkt., 5c.; postpaid.

All Head. One of the finest of the second early, flat head type; adapted to almost any soil and location and a very sure header. Stem, short; heads; deep and flat; few outer leaves; quality, very fine. Lb., \$1.65; $\frac{1}{2}$ lb., 85c.; $\frac{1}{4}$ lb., 55c.; oz., 20c.; pkt., 5c.; postpaid.

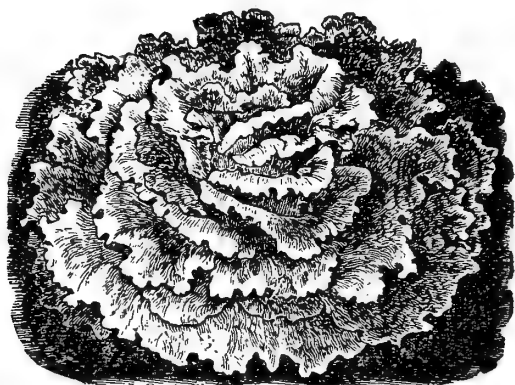
All Seasons. A superior sort; can be planted early or late. Stands summer heat and dry weather remarkably well. Heads; large, nearly round, somewhat flattened, very solid and heavy. Lb., \$1.65; $\frac{1}{2}$ lb., 85c.; $\frac{1}{4}$ lb., 50c.; oz., 15c.; pkt., 5c.; postpaid.



Early Winnigstadt.

LETTUCE

1 Oz. for 1,000 plants or 200 feet of drill

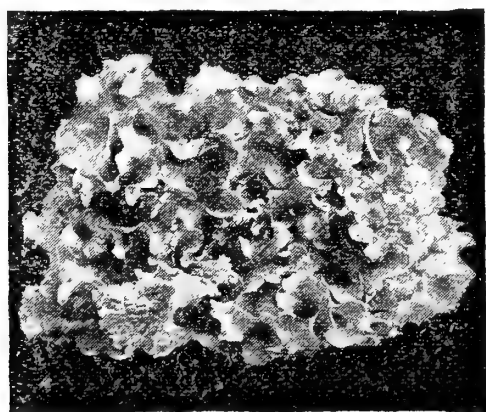


White Seeded Simpson

LOOSE LEAVED SORTS

White Seeded Simpson. (Also known as Early Curled Simpson, and Early Curled Silesia). A very reliable sort, used in all parts of the country, valuable for either forcing or out of door growing; forms a large spreading head, with short, broad leaves, which are light green in color, very crisp and sweet. Lb., 85c.; $\frac{1}{2}$ lb., 45c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

Black Seeded Simpson. One of the most popular sorts, good for forcing under glass or growing out of doors. Heads; very large fairly compact, light green in color: leaves; very broad, thick and crumpled, very crisp and sweet. Lb., 90c.; $\frac{1}{2}$ lb. 50c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt., 5c.; postpaid.



Grand Rapids. Used very largely for greenhouse forcing and for shipping. It is a quick grower and will stand for several days after being cut and is not liable to rot. Plant upright, forming a large, loose head. Leaves; large, yellowish-green, crumpled, with heavily frilled borders, very crisp. Lb. 85c.; $\frac{1}{2}$ lb., 45c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt. 5c.; postpaid.

HEADING OR CABBAGE SORTS

Big Boston. Grown largely in the South for a winter lettuce. It is a large and sure header and a fine shipper. It is used in the North for forcing, succeeding best in a cool greenhouse. Heads; very large, broad, slightly pointed, compact, hard and well blanched: leaves; very broad, slightly blistered and crumpled, very thick and stiff: color; light dull green. Lb., \$1; $\frac{1}{2}$ lb., 55c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt., 5c.; postpaid.

White Seeded Tennis Ball or Boston Market. A splendid shipper and distinctly a market gardener's forcing variety. Does not do well out of doors. Plants: medium sized; compact: head; round, firm, well blanched, leaves; broad, blistered, crumpled, thick and stiff: color; dull green: quality; excellent, crisp, firm, very sweet and buttery. Lb., 90c.; $\frac{1}{2}$ lb., 50c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt., 5c.; postpaid.

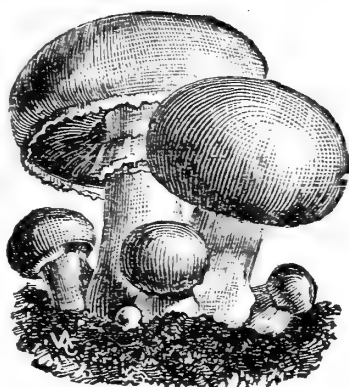
Golden Queen. A very popular and superior forcing variety, especially for cold frames and hot beds; valuable for market gardeners. Plant; very compact, forming a heart-shaped, firm, well blanched head: leaves; broad; blistered, crumpled, thick and stiff: color; a beautiful rich, golden-green: quality; excellent, crisp; firm, very sweet and buttery. Lb., 90c.; $\frac{1}{2}$ lb., 50c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt. 5c.; postpaid.

Mammoth Black Seeded Butter. Sometimes called "All Right." One of the ten most largely grown sorts, used largely by New York market gardeners for fall sowing. It is a sure header and stands summer well, but is not suited to forcing. Plant; large, cabbage-heading, with a long stem: leaves; broad, much blistered and crumpled, thin, light green in color. Quality; fine, delicate, sweet and buttery. Lb., 90c.; $\frac{1}{2}$ lb., 50c.; $\frac{1}{4}$ lb., 30c.; oz., 10c.; pkt., 5c.; postpaid.

Deacon. I can recommend this as one of the best all around "Cabbage" varieties we have. It stands summer heat well, is a sure header and easy to raise. Market gardeners and greenhouse men, who have tried it say that it is free from rot in every way. Plant; very regular-medium sized, compact: head; very round, firm, blanching well. Leaves; broad, nearly round, smooth and thick: light grayish green in color: in quality it is fine, being very tender, sweet, rich and buttery in flavor. Lb., 85c.; $\frac{1}{2}$ lb., 45c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

MUSHROOMS

CULTURE. Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50 to 60 degrees. Procure the soil from old pastures, and store it away. To one bushel of this soil add two bushels of fresh horse manure; of this well mixed compound prepare a bed, say four feet wide, put down a thin layer and pound it down hard, and go on until you have a bed eight inches



thick. It will soon become pretty hot, but let the heat go down until it is only 85 to 90 degrees, then make holes one foot apart, and put in the spawn, two or three pieces as big as a walnut in each hole; cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days, then cover it with two inches of fresh loam and over this place four or five inches of hay or straw, and the work is done, and if the temperature is right in six or eight weeks you may expect mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water and cover with hay as before. Success is not always certain with the amateur and is usually to be attained only after more or less experience. One pound of spawn is enough for a bed 3x6 feet.

After many years science has produced **Pure Mushroom Spawn** and the work of manufacture is now carried on extensively, producing a uniformity of quality, purity and type never attained heretofore. Under the old methods the product was never pure and the spawn often failed to run, making the raising of mushrooms a very uncertain occupation. All this is now eliminated by the Pure Culture Spawn, which has never yet failed to produce a crop, and one which was absolutely true to type and pure. This spawn is put up in bricks about the same size as the English pawn, but nearly twice as heavy, and contains twice as much of the spawn.

Prices. (In bricks of about 1 1/3 lbs. each) 35c. per brick by mail, postpaid; 6 bricks for \$1, by express, charges not prepaid.

With each order for this spawn I give free a four page leaflet on Mushroom Culture, given complete and thorough direction for growing.

ONION SETS

Egyptian. A hardy perennial variety, producing tops and breaking up at the root into a number of stalks. They never produce bulbs of any size, but are used solely for a very early spring onion as they are ready for use as soon as the ground thaws out. I do not have these for sale in the spring as the crop is not harvested until August, and the sets should be planted in September; they will then be ready for use the following spring. Bu., \$2.50; 1/2 bu., \$1.35; pk., 75c.; 4 qt., 35c.; charges not prepaid. Qt., 25c.; pt., 15c., postpaid.

PARSLEY

1 Oz. for 150 Feet of Drill

CULTURE. Give Parsley a light, rich, mellow soil. As it sometimes takes three or four weeks for it to come up it should be sown very early and the soil must be pressed down firmly around the seed. Make the rows about a foot apart and sow the seed thick, getting it about half an inch deep. For winter use put a few plants into the cold frame or in pots in the house or a light cellar.

Prices on all varieties of Parsley, as follows: Lb., 75c.; 1/2 lb., 40c.; 1/4 lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

Exquisite Curled. The finest sort I have. Leaves; a beautiful dark green, very finely cut and closely curled. Plant is close and compact in growth.

Champion Moss Curled. A prize winning English variety, very compact and finely curled: bright green in color.

Extra Double Curled. The old reliable sort. Plant; compact: leaves; closely curled, light yellowish-green.

HERBS

Anise. Seeds, aromatic and carminative. Lb., \$1; oz., 10c.; pkt., 5c.

Basil-Sweet. Used for flavoring soups, etc. Lb., \$1.25; oz., 15c.; pkt., 5c.

Caraway. Seeds used in cooking and for flavoring liquors. Lb., 85c.; oz., 10c.; pkt., 5c.

Chicory. Dried roots, used as a substitute for coffee. Lb., \$1; oz., 10c.; pkt., 5c.

Dill. Seeds used in flavoring vinegar for pickles. Lb., 85c.; oz., 10c.; pkt., 5c.

Fennel. Sweet. Seeds, aromatic, used in flavoring. Lb., 75c.; oz., 10c.; pkt., 5c.

Marjoram, Sweet. Used in seasoning. \$1.25 lb.; 15 cts. oz.; 5 cts. pkt.

Saffron. Used in medicine and dyeing. 85 cts. lb.; 10 cts. oz.; 5 cts. pkt.

Savory, Summer. Culinary herb. 85 cts. lb. 10 cts. oz.; 5 cts. pkt.

Sage. Used for seasoning and in medicine. \$1.25 lb.; 15 cts. oz.; 5 cts. pkt.

Thyme. Used in seasoning. \$2.25 lb.; 25 cts. oz.; 5 cts. pkt.

Wormwood. Used in medicine. \$1.75 lb.; 20 cts. oz.; 5 cts. pkt.

RADISH

NOTE. All my Radish Seed is French grown, which means that it will produce milder, crisper and juicier roots than American grown.

One oz. for 100 feet of drill, 10 lbs. for an acre.

To have good radishes you must grow them quickly, and to do this a rich, warm, sandy loam is necessary. A heavy, cold or clay soil delays growth and injures the flavor. At the time of sowing mix land plaster with the soil, it makes the roots brighter colored, crisper, and better flavored. For growing in the greenhouse, or hot beds, use the forcing sorts as they are bred especially for this purpose and have a tendency to be darker colored when grown out of doors.

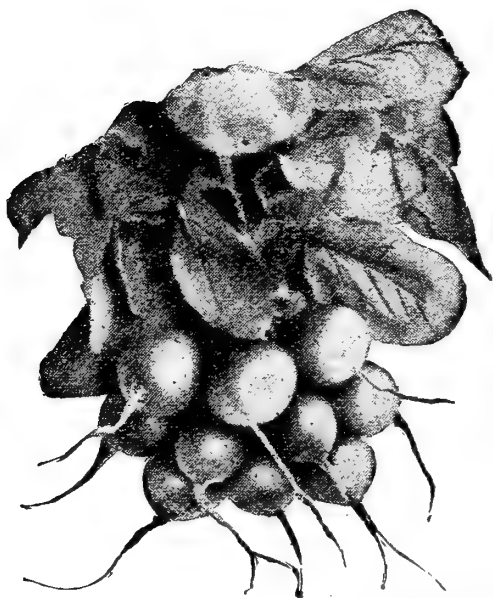
For summer use, make the first sowing out of doors as early as the ground can be worked, and sow at intervals of three weeks for a succession.

Winter Radishes should be sown about the middle of the summer, as they make their best growth in Autumn. After digging, store them in pits out of doors or pack in earth in a cool cellar and they will keep crisp all winter.

Use Bug Death or Bug Shot for the little fly which eats the leaves of the young plants.

NOTE. If seed is wanted by express or freight, customer paying charges, deduct 10c. per lb., for 10 lbs. or less of a variety, and 15c. per lb. for quantities over 10 lbs. of a variety.

Special quotations by letter on 50 lbs. or more of a variety.



Vick's Scarlet Globe. The standard sort among market gardeners for growing under glass, as it is very uniform in size and shape and seldom shows an "off colored" root. Tops are small: roots; oval: skin; brilliant, glowing scarlet: flesh; very mild, crisp and juicy. Lb., 75c.; $\frac{1}{2}$ lb., 40c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

Early Scarlet Turnip (Forcing.) A selected strain of the above, grown especially for forcing under glass. Tops; small. Lb., 65c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Early Scarlet Turnip, White Tipped. Identical in every way with Early Scarlet Turnip, except in color. Lower part of root pure white. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Early White Olive Shaped. Claimed to be the earliest white radish on the market. Nearly oval in shape, with ivory white skin: flesh; white, tender and crisp. Tops; small. Does well in either greenhouse or open ground. Lb., 70c.; $\frac{1}{2}$ lb., 40c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

Cincinnati Market. Also called the "Glass" Radish. This, to my mind, is just about the best thing to be had in a long radish. It is a strain of Long Scarlet, selected and developed by the market gardeners of Cincinnati especially for growing under glass, but it does equally well out of doors and stands for a long time after it is ready for use without becoming pithy or running up to seed. Tops; very small: roots; 6 to 8 inches long, very straight and slender: skin; glossy scarlet, smooth and thin, flesh; semi-transparent, very crisp, tender and fine flavored. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Wood's Early Frame. Shorter and thicker than Long Scarlet, and better for forcing. Skin; brilliant scarlet: flesh; mild, brittle and fine flavored. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

SPINACH

1 Oz. for 100 feet of Drill, 10 Lbs. for an Acre.

(NOTE. In fall sowing, to winter over, many gardeners use as high as 40 to 50 lbs. for an acre.)

Give good, rich ground; the size of the crop is in proportion to the richness of the land. Sow early in spring, in drills a foot apart, and again every two weeks for a succession. Sow in August for fall use and in September to winter over. Cover the winter crop with straw or leaves after weather becomes cold. Spinach makes a cheap and good cover crop and what is not cut may be plowed under for green manure; for this purpose it should be sown broadcast.

Prices on all varieties of Spinach, except New Zealand, are as follows:

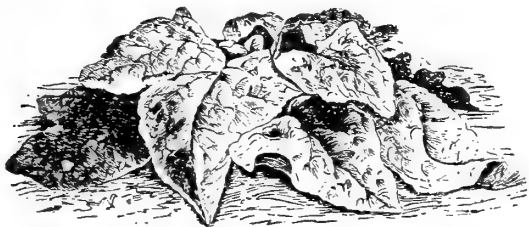
100 lbs. or over of a variety, 10c per lb.; 50 to 100 lbs., 12c per lb.; under 50 lbs., 15c per lb., by express or freight at purchaser's expense.

Lb., 30c.; $\frac{1}{2}$ lb., 20c.; $\frac{1}{4}$ lb., 15c.; oz., 10c.; pkt., 5c.; postpaid.

SPINACH—Continued

Savoy or Bloomsdale. Considered to be the earliest sort, and one of the best for wintering over; grows rapidly, but soon runs to seed. Plant; upright with rather narrow, pointed leaves, which are blistered and crumpled like a Savoy Cabbage.

Thick Leaved Round. Used largely for early spring sowing. Plant; spreading; leaves; dark green, broad, thick and slightly rounding.



Giant Crumpled Leaf. A very early and very productive sort, popular with market gardeners. Plant; large and spreading; leaves; dark green, very thick, broad and crumpled.



Victoria. An improved type of Long Standing. Plant; heavy, slightly spreading. Leaves; very large, smooth and a little pointed; deep green.

Long Standing. Used largely to follow the earliest sorts as it holds for a long time without running to seed. Plant is somewhat spreading; leaves; dark green, smooth and a little pointed.

Prickly or Winter. A very hardy sort which can be sown at any time of the year, though it is usually sown in the fall. Plant; medium sized; leaves; arrow-shaped. Is a fairly good yielder.

New Zealand. Entirely different from ordinary Spinach, but grown to fill in the hot summer months or in localities where the heat is too great for other sorts. Plants sometimes grow several feet high: stems and leaves; crystalline in appearance, very fleshy, leaves nearly triangular in shape, from 2 to 4 inches long. Both leaves and young stems are eaten. Very tender and fine flavored.

The seed of this spinach should be scalded and soaked in hot water before planting. Plant in hills 3 feet apart each way, five or six seeds to each hill. Lb., 70c.; $\frac{1}{2}$ lb., 40c. $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

TURNIP

1 Oz. for 150 Feet of Drill; 1 to 2 Lbs. for an Acre.

The best turnip soil is a light, rich, sandy or gravelly loam. The smaller and earlier sorts and some varieties of Ruta Bagas are grown more for table use, while the coarser varieties are used for stock feeding. One variety, the Red Top Strap Leaf, is often sown broadcast to plow under for green manure.

Sow the earliest sorts in April, in drills from 12 to 15 inches apart, and thin out to 6 or 8 inches in the row. For a succession sow at intervals of two weeks until September. For the main fall crop sow in August. Ruta Bagas are sometimes sown in drills and transplanted to rows $2\frac{1}{2}$ feet apart and 8 to 12 inches apart in the rows. Seed of Ruta Bagas should be sown in May.

NOTE---Except where otherwise noted the prices on turnips and Ruta Bagas are as follows:

25 lbs. and over, 30c per lb.; 10 to 25 lbs., 35c per lb.; under 10 lbs., 40c per lb.; by freight or express at purchaser's expense.

Lb., 50c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz. 10c; pkt., 5c; postpaid.

Early White Milan. This variety is remarkably early, the tops are very small, upright and compact, so that the rows can be planted close together. The clear white roots are very smooth, symmetrical and beautiful, the flesh is white, tender and sweet. Lb., 75c.; $\frac{1}{2}$ lb., 40c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

Early Purple Top Milan. The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. Flesh; white, hard and of finest quality. It is an extra good keeper. Lb., 70c.; $\frac{1}{2}$ lb., 40c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.; pkt., 5c.; postpaid.

White Top Strap Leaf, or White Dutch. A most excellent early garden variety: roots; medium size, flat: color: white; very early, sweet and tender. It is desirable for table use, when small but spongy when overgrown.

Early Six Weeks or Snowball. Market gardeners should give this variety a trial, as its earliness and fine appearance make it profitable for bunching. Tops are medium sized: leaves; rough: root; perfectly round with a single small tap root; flesh, pure white, fine grained, crisp and sweet. Lb., 60c.; $\frac{1}{2}$ lb., 35c.; $\frac{1}{4}$ lb., 20c.; oz., 10c.; pkt., 5c.; postpaid.

Red Top Strap Leaf. A favorite variety all around. Leaves; few, entire, upright: root; flat, medium sized, purple or dark red above ground and white below: flesh; white, fine grained and tender.

White Egg. One of the best sorts for market gardener's use. It is a rapid grower and never has a rank flavor. Top; small: leaves; rough: root; egg shaped and grows half out of the ground: skin; pure white, very thin: flesh very sweet, firm and mild.

INSECTICIDES

FUNGICIDES HERBICIDES FERTILIZERS

At the prices below I do not prepay charges, except where noted.

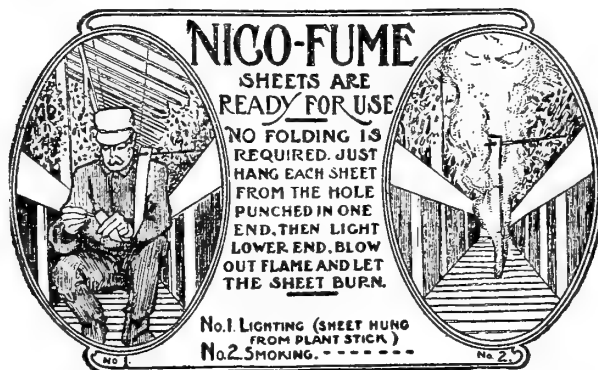
NOTE. Liquids and poisonous powders cannot be sent by mail.

Bordeaux Mixture (Dry). To be used with a dry powder duster or blower. 1 lb., pkg., 20c.

Bordeaux and Paris Green (Dry). For use with a dry powder duster or blower. 1 lb. pkg., 25c.

Copper Sulphate. For fungus diseases. Used alone and also with lime in Bordeaux Mixture. 100 lbs., \$7; lb., 8c.

Lemon Oil. A highly concentrated insecticide. Fragrant, Non-Poisonous and Soluble in Water. Will destroy Mealy Bug, Scale, Thrip, Red Spider, Black or Green Fly and insects on animals. Half pint 25c. Pint 40c. Quart 75c. Half gallon \$1.25. Gallon \$2.



"Nico-Fume." For fumigating greenhouses. Is positively the strongest Tobacco Paper on the market; does not injure blooms, and furnishes the easiest method of fumigation ever devised. "Nico-Fume" is packed in special friction-top tins and is sold as follows: 288 sheets, \$6.50; 144 sheets, \$3.50; 24 sheets, 75c.

KILLS	A Wonderful, Inexpensive Insecticide
Sulpho-Tobacco Soap	
INSECTS	

Destroys cabbage-, squash- and potato-bugs, currant-worms, lice, green-fly, mealy bug, red spider, etc. Sure death to all plant insects indoors and out-of-doors. Of special value for spraying shrubs, fruit-trees and vines. Produces luxuriant roses if bushes are sprayed liberally before blooming-time.

3-oz. Cake makes $1\frac{1}{2}$ gallons prepared solution. **10 cents.** Mailed, postpaid, for 13 cents.

8-oz. Cake makes 4 gallons prepared solution. **20 cents.** Mailed, postpaid, for 28 cents.

10-lb. Cake makes 80 gallons prepared solution. **By Express, \$3.00.**

Free with every order, "The Window Garden," a booklet by Eben E. Rexford, giving valuable information on the cultivation of plants and the extermination of insects.

Whale-Oil Soap. Made from pure Whale Oil and Caustic Soda. An excellent wash for trees and plants where insect and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. 5 lbs., 50c.; 2 lbs., 25c.; lb. cake, 15c. Add 15c. per lb. if ordered by mail.

Scalecide. The simplest and best preparation for the San Jose scale. It is a petroleum oil without the disagreeable petroleum smell. Mixes instantly with cold water and stays mixed. Use one gallon for every 20 gallons of water.

1 gallon can, \$1; 5 gallon can, \$3.25.
10 gallon can, \$6; 30 gallon barrel, \$16.
50 gallon barrel, \$25.



The Sterlingworth Sulphur Fumigating Candle is the most satisfactory Fumigating Candle manufactured. Besides being larger, thus producing more vapor than any other candle sold at the same price, they are encased in a tin covered box to insure safety in shipping. The candle itself is made from pure high grade sulphur, free from adulteration, and has a circular wick, which when once lighted stays lighted and burns until every particle of sulphur is consumed.

To add to the effectiveness of the sulphur, the tin box encasing the candle may be placed in a saucer of water; the steam arising from the water, generated by the heat from the burning sulphur, unites with the sulphur fumes, making the vapor more deadly than ordinary sulphur fumes. No other method is equally effective for killing insect life or disease germs.

This candle is especially useful in ridding greenhouses and poultry houses of insect pests, as the vapor from it penetrates crevices not reached by other means. All that is necessary to do is to close up the infected house or room and light the candle. The deadly fumes do the rest. Board of Health officials recommend sulphur fumes for destroying Typhoid, Diphtheria, Small Pox and other disease germs.

Price, each 15 cents; postage, 10 cents. One dozen by express, \$1.20.

INSECTICIDE APPLIANCES

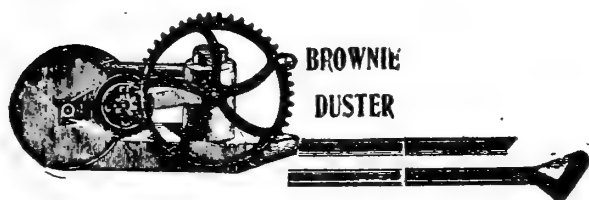
At prices below I do not prepay charges



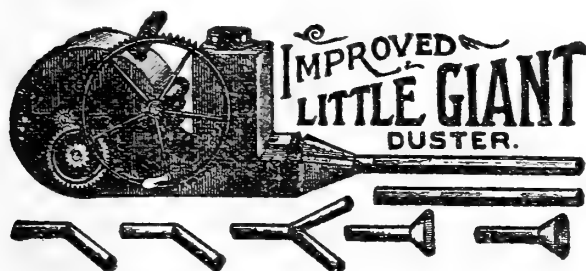
Acme Powder Gun. Will handle all kinds of dry insecticides. Made of sound, seasoned lumber and best quality of leather. Well finished throughout.

Acme Single Gun (As illustrated). Each, 75c.

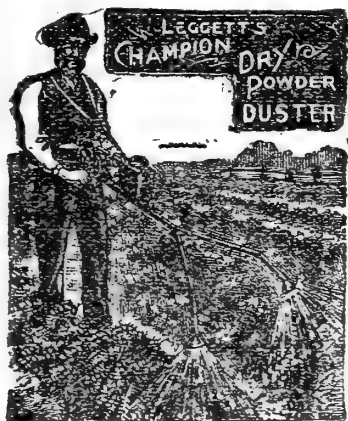
Acme Double Gun. Each, \$1.50.



Brownie Duster. For dry powders. Weigh, complete, 3 1-2 lbs., 2 16-in. tubes and one bent nozzle with each machine. Capacity of reservoir, 1-2 lb. Each, \$3.



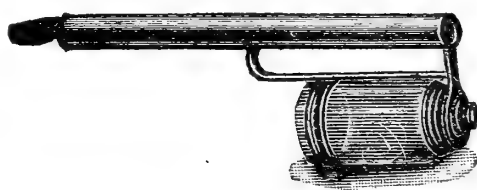
Little Giant Duster. For dry powders. 2 tubes, 5 nozzles, and shoulder strap with each machine. Capacity, nearly 1 quart of powder. Weight, 5 lbs.; shipping weight, 12 lbs. Each \$5



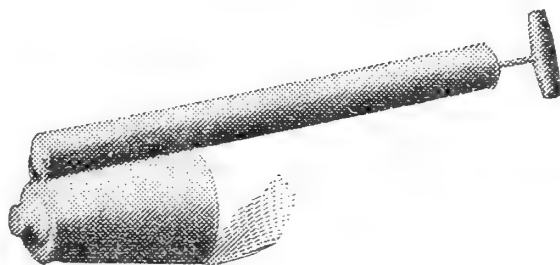
Champion Duster. For dry powders. Handles two rows at one time, adjustable to any width of row; will do as much in one day as a horse power sprayer. 4 tubes, six nozzles, 2 carrying straps and 1 oil can with each machine. Capacity, over 1 quart of powder. Weight about 6 lbs.; shipping weight 15 lbs. Each, \$7.50.



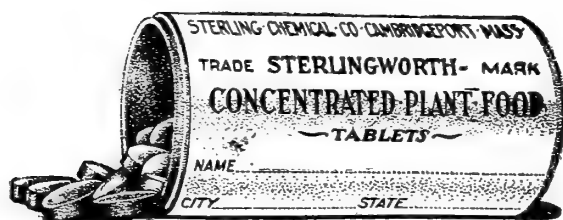
Lowell Duster. For all kinds of dry powders. Works the same as a sprayer. Made of tin. Each, 60c.



Lowell Glass Tank Sprayer. No corks to lose out; they have a screw cap where jar is filled. A perfectly dry pump; when plunger is drawn back no solution is sucked up into pump cylinder, thus valves are always dry and pliable and ready for use; the cylinder is 6 inches longer than any other make, thus allowing operator to stand up straight, and avoids backaches. Will spray up as well as down. Each sprayer has a large hand-hold, agitator, two short, straight brass solution tubes; valves are cut from whole hides of best leather. Jar is held by a heavy one-inch band of XX tin. No wire band used. Solution tank is one-quart Mason glass fruit-jar. Finished in bright red enamel. No. 1 Lowell glass tank sprayers, tin tube, zinc jar top and can screw. Each, 75c.



Lowell No. 4 Sprayer. A tin sprayer having the long pump cylinder of the Glass Tank Sprayer. The best made. Each, 30c.



STERLINGWORTH PLANT FOOD TABLETS

Contain Nitrogen, Ammonia, Phosphoric Acid and Potash.

A New Scientific, Odorless, Concentrated Fertilizer for Potted Plants

Takes the place of liquid manure. It starts the plants at once into healthy and vigorous growth and makes them grow and bloom luxuriantly. These Tablets drive troublesome insects and worms from the soil. They are odorless, non-poisonous, uninjurious and are clean and easy to handle. If your plants are not doing well, try **Sterlingworth Plant Food Tablets**, and see how quickly they are benefitted. Trial size box, sufficient for 10 house plants for 3 months, 10 cents, postpaid. Large size box, sufficient for 35 plants for 3 months, 25 cents, postpaid.

Sheep Manure—Pulverized. A pure, natural manure, and a nutritious food for plants. Its effect is immediate, much more lasting and beneficial than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, without any deleterious effects. Nothing equals it for use on flower beds or for vegetable garden. Especially valuable for lawns; contains all the constituents for promoting a quick, luxuriant growth, and a rich green color. No raking-off required. No seeds of foul weeds in it. No offensive odor. Clean to handle. Absolutely safe.

For lawns, use at the rate of from 500 to 600 pounds per acre. For pot plants, mix one part of sheep manure to six parts of soil. For use in the vegetable garden, spread over the surface and dig in. For liquid manure, one pound to five gallons of water per day can be safely used. 100 lbs., \$1.50. Price on application for ton lots.

Pure Raw Bone Meal. Finely pulverized, excellent for rose culture. Decomposes rapidly and is more quickly effective than the coarser grade; excellent for mixing with potting soil. Recommended for lawns and gardens. 100 lbs., \$2.50.

"BONORA"

Nature's Plant Food

Good for all Flowering Plants, Vegetables, Lawns, Trees, Etc., Producing a Lasting and Healthy Growth.

Used in all the Parks of Greater New York, endorsed by Pres. Francis of the St. Louis World's Fair, endorsed by the Monmouth County Association of New Jersey, used on the principal public grounds of Washington, D. C., as follows: Capitol Grounds, Congressional Library Grounds, Botanical Gardens, Soldiers' Home, Zoological Garden, is used on the estates of Mr. Cornelius N. Bliss, Senator Aldrich, Mr. A. G. Vanderbilt, Mr. John A. McCall, Mr. Perry Belmont, Commodore E. T. Gerry, Mrs. Ogden Goblet, Mr. W. H. Poor, Mr. J. D. Rockefeller, Jr., Mr. Jacob H. Schiff, Mr. M. C. D. Borden, Mr. W. F. Havemeyer, Mr. Daniel O'Day, Mr. S. R. Guggenheim, Mr. Samuel Sachs, Mr. S. M. Colgate, and many others. **Cut Worms, Bugs, Wire Worms, etc., cannot live where "BONORA" is used.**

Directions For Using. Dissolve one teaspoonful or half an ounce in seven pints of cold water, one ounce in fourteen pints or one pound in twenty-eight gallons of water, for use on all vegetables, flowering plants and lawns. Sprinkle it on the soil, that it may reach the roots, using a sufficient quantity to soak through the ground. Do this twice, one week apart, the third application ten days afterward. You can judge for yourself whether another application is necessary after you have seen the results from the second and third sprinklings. The object is to have the fertilizer reach the roots.

For fruit trees, shade trees and heavy wooded plants dissolve one teaspoonful or half ounce in five and one-half pints of water, one ounce in eleven pints or one pound in twenty-two gallons. Water with the solution after loosening the dirt around the roots, in order that the diluted liquid may soak well into the roots. Where this is done the results are simply wonderful. The great quantity of nitrogen, phosphoric acid and potash in this article creates a healthy, vigorous growth, giving new life to the plant or tree, and matures a crop two to three weeks earlier, and produces a long and lasting fruit bearing plant or tree.

Put up in dry form as follows;

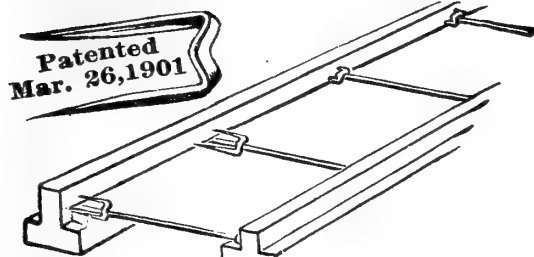
$\frac{1}{4}$ lb.,	makes 7 gals.,	.25c.	Postage 5c.
1 lb.,	" 28 "	.50c.	" 5c.
5 lbs.,	" 140 "	\$2.50	" 15c.

Canada Hard Wood Ashes. Drive away insects and improve the texture of the soil; indispensable for all crops requiring potash; very beneficial for garden and field crops; of high value for grass and lawns. Apply one to two tons per acre, as one application will do more than the same quantity would, applied in fractions. 100 lbs., \$1.00; ton, \$13.00.

HORTICULTURAL SUNDRIES

Customer pays charges except where otherwise noted.

"PEERLESS" GLAZING POINT. (Improved Van Reyper.)



Glazing Points. Peerless. Box (1,000), 75c.

HOSE

"Black Seal" 3 ply, 50 ft. lengths with couplings; per foot, 12c.

"Black Seal" 4 ply, 50 ft. lengths with couplings; per foot, 14c.

BUDDING AND PRUNING KNIVES



919—Budding; 1 blade, ivory handle; \$1; postpaid.

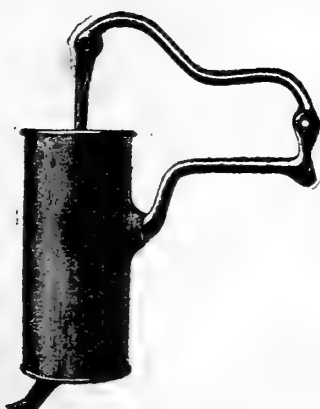


690—Budding; 2 blade Buffalo handle, ivory tips; 80c.; postpaid.



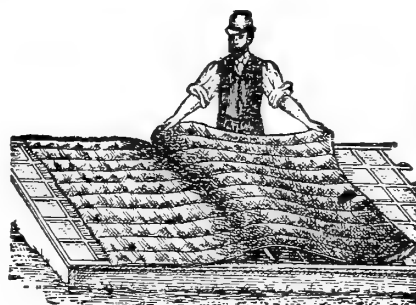
801—Pruning; 1 blade, cocoa handle; 4 inch blade; 50c.; postpaid.

MASTICA



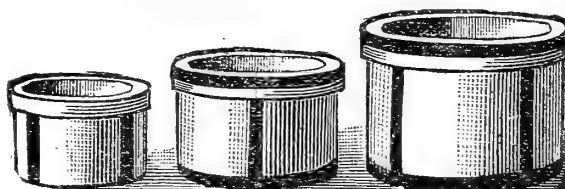
For glazing greenhouses, sash and hotbeds. Cheaper and more durable than putty. Best glazing material known. Easily applied. Gal., \$1.25.

Mastica Machine.
For applying Mastica, putty, etc. \$1.25.



HOTBED MATS

Made of burlap, thickly padded with waste wool and cotton; warmer and less bulky than straw. Size 76x84 in., each, \$1.35; doz., \$13; 76x76 in., each, \$1.25; doz., \$12.



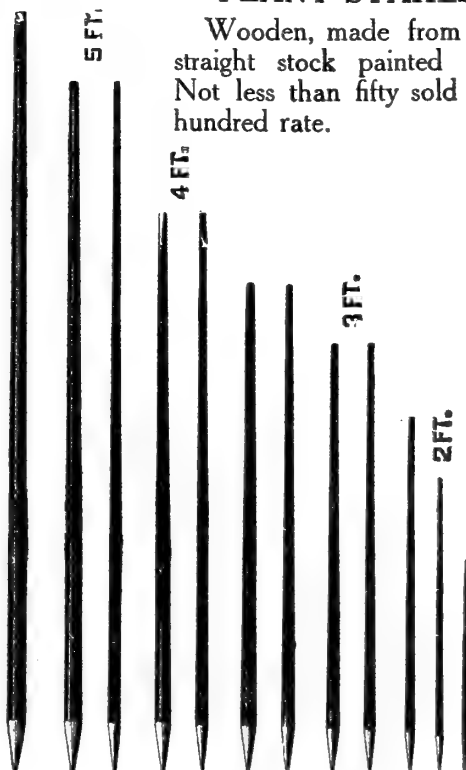
MEASURES

Oak, iron bound, 1-qt. 15c.; 2-qt. 20c.; 4-qt. 25c.; 8-qt. 35c.; 16-qt. 50c.; nest of five, \$1.25.

Seamless Steel. Stamped from one piece; galvanized. 2-qt. 20c.; 4-qt. 35c.; 8-qt. 60c.

PLANT STAKES

Wooden, made from clean straight stock painted green. Not less than fifty sold at the hundred rate.

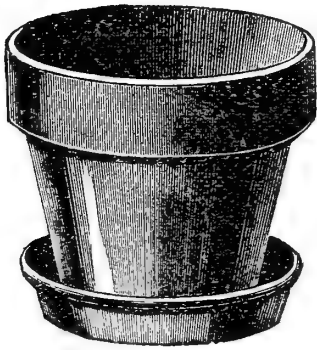


100 Doz.			100 Doz.		
Light	1 1/2 ft.	1.00 .17	Heavy	3 ft.	4.85 .75
	2 "	1.70 .28		3 1/2 "	5.65 .88
	2 1/2 "	2.40 .39		4 "	6.50 1.10
	3 "	3.20 .51		5 "	8.15 1.25
	3 1/2 "	4.00 .63		6 "	9.80 1.55
	4 "	4.80 .75			
	5 "	5.60 .88			



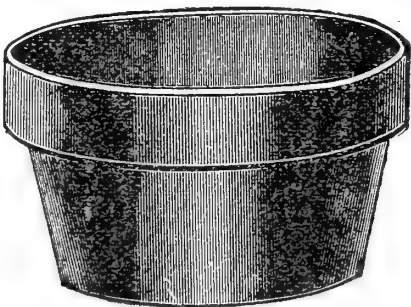
Rubber Putty Bulbs.
For glazing. Each, 85c.;
10c. extra for postage.

**Rubber Plant Sprink-
lers.** Each, 75c.; add 5c
extra for postage.



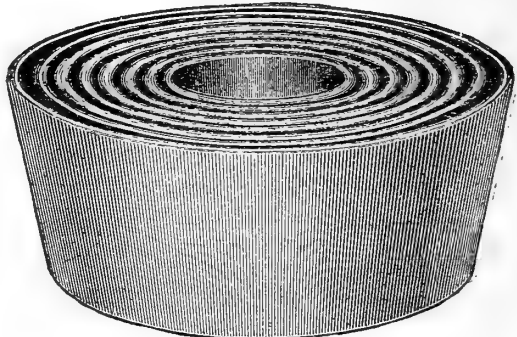
STANDARD FLOWER-POTS

	Each	Doz.
2-inch	\$0 02	\$ 0 10
3-inch	02	15
4-inch	03	20
5-inch	04	35
6-inch	05	50
7-inch	08	75
8-inch	10	1 00
9-inch	15	1 50
10-inch	20	2 00
11-inch	25	2 50
12-inch	30	3 00
14-inch	75	7 50
16-inch	1 50	15 00



BULB PANS. Standard shape with rim

	Each	Doz.
4-inch	\$0 03	\$0 30
5-inch	04	35
6-inch	05	40
7-inch	08	60
8-inch	10	80
9-inch	15	1 00
10-inch	20	1 50
12-inch	30	2 50
14-inch	40	4 00



Fern Pans

FERN PANS. No rims

Diam.	Depth	Each	Doz.
4-inch	1 7/8-inch	\$0 03	\$0 30
4 3/4 -inch	2 1/8-inch	04	40
5 1/2 -inch	2 1/4 -inch	05	50
6 1/4 -inch	2 1/2 -inch	06	60
7-inch	2 3/8 -inch	07	70
8-inch	3 1/8 -inch	10	1 00
9-inch	3 1/4 -inch	12	1 20
10-inch	4-inch	15	1 40

**PLAIN EARTHEN HANGING
BASKETS**

	Each	Doz.
7-inch	\$0 15	\$1 50
8-inch	20	2 00
9-inch	25	2 50
10-inch	30	3 00



Prices per 100 or 1,000 upon
application. Saucers for flower
pots same price as pots above.

POT LABELS, WOODEN.

Postage or express not prepaid.

	1,000	100	Doz.
PLAIN			
3 1/2 -in. . . . .	.60	.10	.05
4 -in. . . . .	.75	.10	.05
5 -in.	1.00	.15	.05
6 -in.	1.25	.15	.05
PAINTED			
3 1/2 -in. . . . .	.80	.15	.05
4 -in.	1.00	.15	.05
5 -in.	1.25	.15	.05
6 -in.	1.50	.20	.05
12-in. Garden Labels.	6.00	1.00	.10

SHOVELS

Round Point. Best quality steel; long or
short handle. Each 65 cts.

Square. Best quality steel; long or. short
handle. Each 65 cts.

Snow. Steel long or D handle. Each 40
cts.

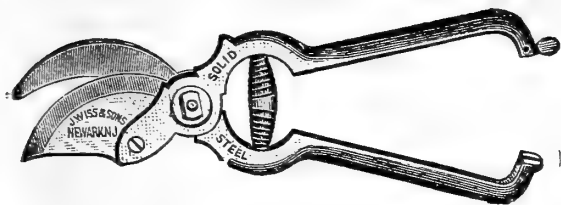
Scoop, Wire. For vegetables or potatoes.
Each \$1.50.

Scoop, Wooden. For grain. Each 75 cts.

Scoop, Steel, D Handle. Each 75 cts.

Spades. Best quality. Handle long or short.
Each 65 cts.

SHEARS



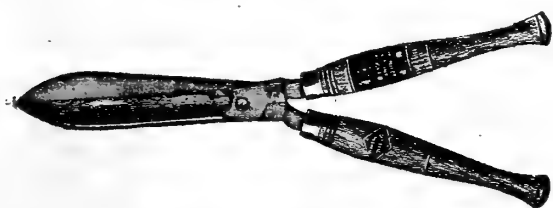
Wiss Pruning Shear. The best pruning shear made, will cut through one inch solid oak. Handles are drop forged; blades of best cutlery steel, finely tempered and hardened and are detachable. 9 inches long. Each, \$2. Postage 25c.



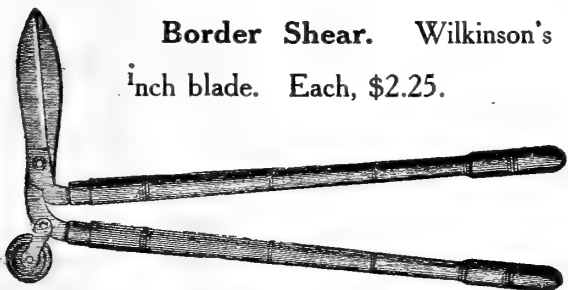
California Pattern Pruning Shear. A good shear for ordinary service and general light pruning. 7 inches long. Each, 60c. Postage 15c.



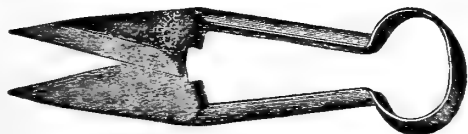
Kelly. Combined pruning and picking shear. Made of first quality steel. Each, 60c., postpaid.



Hedge Shears. Wilkinson's 10 inch blade. Each, \$1.50.



Border Shear. Wilkinson's 9 inch blade. Each, \$2.25.



Grass or Garden Shears. Each, 25c. Postage 10c.

Sheep Shears. First quality steel. Polished and tempered. Each, \$1; postpaid.

GARDEN TROWELS



Forged Steel. Strong and durable. 6-in., 35c. ea.; 45c., postpaid.

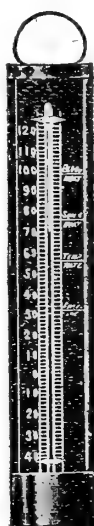
Riveted Handle. Steel blade. 25c. each; 35c., postpaid.

RAFFIA. For tying plants. Also used for making fancy baskets. Lb., 15c.; postage, 15c. per lb. Special price on larger lots.

THERMOMETERS

For Incubator Thermometers See Poultry Supplies.

Regular. Made to fill a demand for a reliable low-priced article. 7-inch 15c., 8-inch 20c., 10-inch 25c.



Special

Special. A high grade thermometer, finished neatly in black-japanned case and tested for accuracy. 6-inch 30c., 8-inch 50c., 10-inch 80c., 12-inch \$1.

Convex. Made with a convex backing which throws the tube forward, making it easy to read. Finished in black-japan frame with bright metal scale. 6-inch 30c., 8-inch 40c., 10-inch 50c., 12-inch 60c., postpaid.



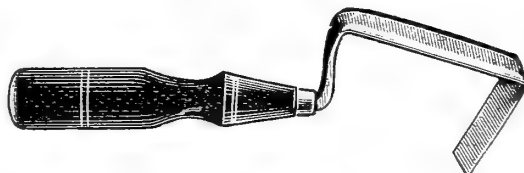
Convex

Blue Spirit. A first-class large tube thermometer, filled with blue spirit and mounted on a wood back, with graduations marked in large numbers, making it easy to read. Graduated to 40 degrees below zero. Each, 50c., postpaid.



Hotbed, or Mushroom Bed. Pointed brass bottom for plunging. Best grade, \$1.50; standard grade, \$1.

WEEDERS



Hazeltine's. Each, 25c. Postage, 5c.

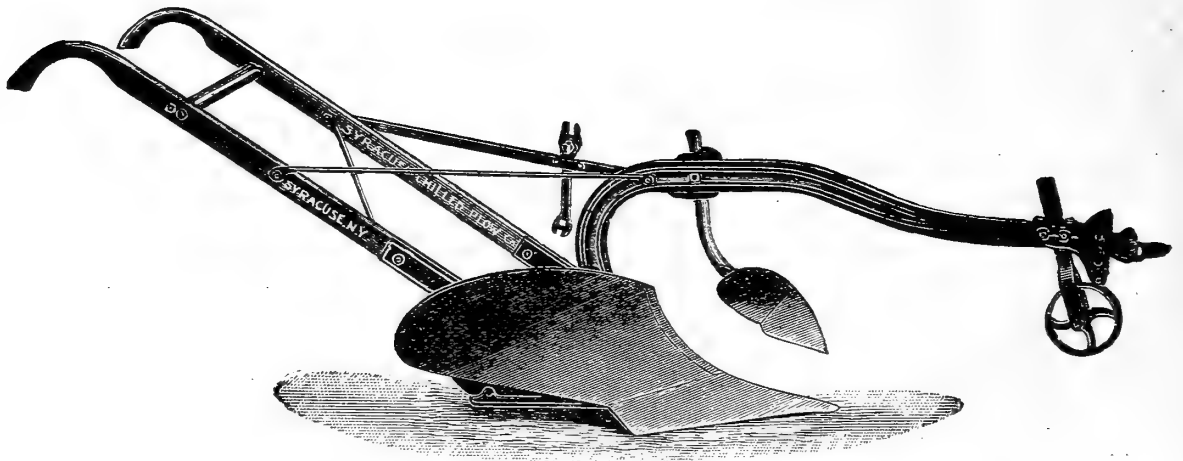


Excelsior. Each, 10c. Postage, 5c.



Lang's Each, 25c. Postpaid.
Dandelion Spuds. 25c. each.

PLOWS



Syracuse Steel Plows. These Plows have a large and unprecedented sale, and are popular in all sections where combination Plows are used. The mold board of highest grade of soft center plow steel, is so fashioned that a furrow may be turned smoothly up or down on sloping land, which feature has greatly increased its sale in all sections where the land is somewhat rolling. I recommend these Plows to all parties desiring a perfect combination Plow for general-purpose work. I sell them on trial, and, if not entirely satisfactory, they may be returned to me and the money will be refunded.

No. 32, medium size two-horse, furrow 5 to 7½ inches deep, 10 to 13 inches wide, \$14.75.

No. 31, large two-horse furrow 5 to 8½ inches deep, 12 to 15 inches wide, each \$15.

No. 452 is a new, two-horse Plow, with short beam and handles, with all the good points of the No. 32. Cast shin piece, steady running and easily handled. \$12.50.

No. 62. This Plow is the same as the No. 32 with the exception of a cast landside and shin piece. \$13.00.

Chilled Iron. Chilled Iron mold boards, chilled iron landside, chilled iron share. Steel beam, jointer and wheel standards, warranted not to bend or break. They are the best general-purpose chilled Plows made. The mold-boards have the same superior turning qualities of the No. 31 combination Plows, but are better adapted to gravelly and stony soils.

No. 401, large two-horse, furrow 5 to 8 inches deep, 12 to 15 inches wide, \$11.50.

No. 402, medium two-horse, furrow 5 to 7 inches deep, 11 to 13 inches wide, \$11.

No. 403, light two-horse, furrow 4 to 6 inches deep, 9 to 12 inches wide, complete, \$10.

Syracuse Vineyard and Garden Plows. Gardeners pronounce them superior to all others. Horse can walk in the furrows or on the land; handles can be adjusted sideways or up and down.

No. 5, 1878, one-horse, furrows 3 to 5½ inches deep, 7 to 10 inches wide. Complete, \$7.

Syracuse Side-Hill Plow. A steel truss beam, combining lightness with strength; side shifting and adjustable handles, giving increased comfort to user, as he can always walk squarely behind the Plow; handles alike and interchangeable; an automatic, uncloggable joiner; a success in weedy land. An automatic colter always in line with the cutting edge of the share. An automatic steel shifting lever clevis changing line of draft; an unequalled spring foot latch with quickly adjustable wheel, inclining forward or back, practically lengthening or shortening the beam.

No. 812, medium, two-horse, furrow 4 to 7 inches deep, 10 to 15 inches wide, \$13.50.

Syracuse Corn Plow, B, One Handle. This corn Plow has wood beam and is used mostly for marking corn and potato ground; is sometimes used for plowing with one horse. \$4.

One-Horse, General-Purpose, or Corn Plow, 50 L. Two-handle, chilled iron mold-board, sloping chilled landside, index beam, quickly set to take more or less-land. Mold-board is made high, with gradual turn. \$5.

Syracuse Contractor's Plow, No. 99. Four to eight horses, weight with shoe, 310 pounds; steel truss beam, steel mold-board and wrought steel point, adjustable shoe in place of wheel; loop handle wear irons, very strongly built, slight turning capacity, suitable for severe grading purposes in shale or hard-pan. \$30.

Contractor's Plow, No. 1. 1878. Hard iron wearing parts, extra heavy beam, share and strip. Steel wheel standard. Will turn furrow, 5 to 9 inches deep, 12 to 15 inches wide. A good plow for general grading purposes. \$13.

Cambridge Shovel Plow. Blades and wings of steel; wings adjustable to throw more or less earth. Especially adapted for hilling potatoes and other light work. \$4.

POULTRY SUPPLIES

At the prices below I do not prepay charges except where noted.

POULTRY REMEDIES

Josiah Young's
"HONEST"

Homoeopathic Poultry
Remedies.

These remedies are of the same quality as used by leading physicians in treating diseases of mankind. They are put up in 100 tablet vials, labelled with complete directions for use. The vials are encased in strong wooden screw-capped cushioned mailing tubes

Honest Remedies are used extensively by experienced poultrymen and can be depended upon as thoroughly reliable.

No. 1. For indigestion and liver diseases. It will cure sour crop, indigestion, and most forms of crop-bound.

No. 2. For rheumatism and cramps, particularly when accompanied by swollen legs and difficulty in walking.

No. 3. For sudden colds, with watery discharge from eyes and nostrils, with snuffles and much sneezing. Prevents and cures roup.

No. 4. For catarrhal colds, having rattling in throat as a prominent symptom.

No. 5. For diarrhoea, particularly in cholera. Is best used in drinking water.

No. 6. For diphtheritic roup and all forms of canker.

No. 7. For chronic catarrhal colds and croupy coughs, also sores caused by chicken pox and bumble foot.

No. 8. Cures and prevents the cause of soft shelled eggs and stimulates the organs of reproduction, insuring fertile eggs.

No. 9. For eye diseases when accompanied by swellings and a yellow matter. Will also hasten egg production after moulting.

No. 10. For worms and other parasites of the intestines.

Please order by number. Price, per vial, 40 cents each, postpaid.

Josiah Young's Magic Egg Producer. 60 feeds for 1c. Guaranteed absolutely pure. It is one-half dried blood, one pound of which is equal to 16 pounds of fresh beef. The other half is powdered herbs, roots, salts and spices. It contains no cheap adulterant of any kind. 1-lb. 15c., 2½-pound package 25c.



Josiah Young's Liquid Cure for Roup, Gape and Cholera. Guaranteed. ½ pint, 25c.

Josiah Young's Magic Roup Pills. Made from a famous recipe and guaranteed to cure. Box of 50 pills 50c., 120 pills, \$1, postpaid.

Josiah Young's Lice Paint. For all kinds of lice. Kills every time. Easy to apply; 1-pint can 30c., 2-quart can 60c.

Josiah Young's Insect Powder. Kills insects on poultry, live stock and plants, kills chiggers, moths, ants, roaches, fleas, etc. Put up in perforated-top tin cans. 5-oz. can 10c., postage 5c.; 1-lb. can 25c., postage 15c.

Josiah Young's Cresol. A powerful disinfectant antiseptic germicide and purifier. Non-poisonous. Dilutes with water. 1 quart makes from 30 to 60 gallons. Per quart, 50c.

Security Poultry Food. Pkg. 25c., 50c, and \$1. 25-lb. pails \$3.50, 50-lb. tubs \$6.50. 100-lb. barrels \$12.

Pratt's Poultry Food. Pkgs. 10c., 25c., 60c., \$1.25 \$2.50, \$ and \$10.

Dr. Hess' Poultry Pan-a-ce-a. 1½ lb. 25c.

Rust's Egg Producer. 1-lb. pkg. 25c., 2½-lb. lbs. 50c., 6-lbs. \$1, 10-lbs. \$1.50, 25-lbs.

Lee's Egg Maker and Chick Grower, Large 2½-lb. pkg. 25c., 25-lb. pail \$2.

Cypher's Egg Food. 2½-lb. pkg., 25c.

Rust's Havens Climax Powders. For gapes and cholera. 25c., 50c., \$1, \$1.50, \$3.50.

Conkey Roup Cure. Small size 50c., large size \$1, postpaid. This cure is guaranteed.

Rust's Havens Roup Pills. Box of 50 pills 25c., 112 pills 50c., 250 pills \$1, postpaid.

Freese's Sure Roup Cure. 25 cents' worth makes ten gallons; 50 cents' worth makes thirty gallons medicine. Postpaid.

Freese's Sure Cholera Cure. 25 cents' worth makes ten gallons; 50 cents' worth makes thirty gallons medicine. Postpaid.

Germozone. For roup, colds, bowel complaint and other spring and summer troubles. Made in tablet form. Package 50c., postpaid.

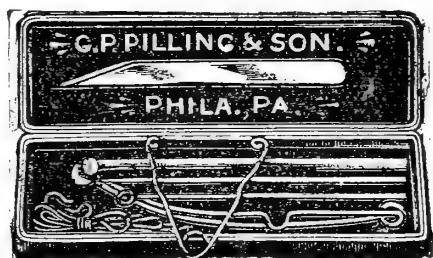
Dr. Hess' Instant Lice Killer. Put up in cans with perforated top. 1-lb. can 25c.

Cypher's Lice Powder. 10c., 25c., 50c., \$1.

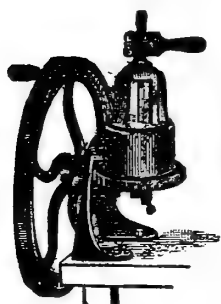
Rust's Lice-Killing Powder. 2-oz. box 10c., 16-oz. 25c., 58-oz. 50c., 112-oz. \$1.00.

Salt Cat is a scientific combination from an old tried and proven formula of those aromatic and tonic properties contained in such seeds and roots as gentian, anise, coriander, etc., combined with sulphur, charcoal, limestone, salt, bone and other materials that are generally recognized by pigeon keepers as aiding digestion, promoting good health and egg production in pigeons and game fowls.

Price, per brick, 10 cents; per dozen \$1. Postage 15c. per brick.



Pilling's Caponizing Instruments. These goods are made by a manufacturer of high-grade surgical instruments of forty years' experience, which is a guarantee that the instruments are adapted to the work intended. No. 160 packed in paper box, \$2.60, postpaid; No. 161, packed in velvet-lined case, \$2.75, postpaid. Book of instructions free with each set.



Mann's Bone Cutters.

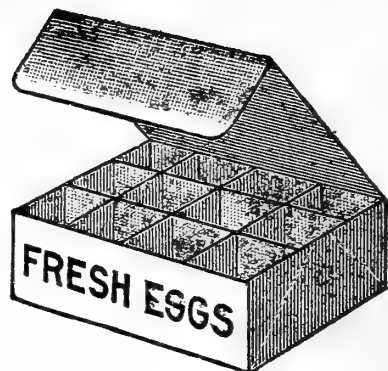
The poultry-raiser wants eggs and wants them when eggs are worth the most. Green bone and raw meat produce them. Science teaches it and experience proves it. Experience also proves that of all egg-forming foods, raw bone and meat produce the greatest results for the least outlay. Mann's Bone Cutter makes every hen a paying hen. If you want a new machine, one that has every late improvement, one that is really ahead of the times, try Mann's.

No. 5-C, with crank handles, \$6.00. No. 5-B, with balance wheel, \$8.00. No. 5-B M, with balance wheel and iron standard, \$10.40. No. 7, with balance wheel and iron standard, \$12.00. No. 9, with balance wheel and iron standard, \$18.40. No. 7½, hand and power, \$16.00.

Deduct 50c. from these prices for shipment from factory.

Mann's Clover Cutter for Poultry. Easy to sharpen, simple to adjust and not liable to get out of order. Has but one straight knife to be cared for. The cutting knife is made of the finest steel and securely fastened to a plate which can be set with positive accuracy, and yet can be removed in an instant. Cuts any kind of clover, either dry or green. Every revolution of the balance wheel produces twelve cuts, four times as fast as the ordinary clover cutter. No. 190, with balance wheel, \$8; No. 191, with balance wheel and iron stand, \$10.

Folding Paper Boxes. For use in delivering eggs to private families. They hold one dozen each, are neat in appearance. Ship "knocked down," can be easily set up and can be sent by express or freight at very low rates. The customer after using contents can take them apart and return them. 1,000, \$6.00; 100, 75c; doz. 12c.



Do You Sell Eggs? If so here is a proposition that will interest you. A neat, attractive package in which to deliver eggs is a good thing in many ways. It is convenient for you, as you can put your eggs up in packages of one dozen each before starting to town, and when you reach your customers the packages are all ready to hand out; no bothering to count, at a time when you are in a hurry to finish your rounds and get back home, and no hindering your customers while you count. More than this, there is practically no chance for breakage, as each egg has a pocket of its own and cannot bang against any of the others, while every dozen is doubly separated by the walls of the boxes.

Isn't a handy, neat box much more business like, and doesn't it make a better impression on your customer than a crate or basket? It looks as though you were right up to the minute with your business, and you know as well as I do that people in general prefer to trade with the up-to-date man.

Finally, with your name and address on every package, you have a standing advertisement of your business which costs you practically nothing.

I have these boxes made up for me in lots of fifty thousand and have my advertisements printed on the sides and bottom, leaving the top for your name and address. I am selling them at less than cost merely for the advertising I get out of them. The box is illustrated at the head of this column and the prices are as follows:

1,000 or over	\$4.00 per 1,000
500	2.25
100 . . . . .	.60

Nothing less than 100 sold, as they are put up in bundles of 100 each. But, if you want a sample, I will mail on receipt of five cents in stamps.

I will furnish a two-line rubber stamp, four inches long, with your name and address on it, and a first-class inking pad for 40c. with an order for 500 boxes; 25c. with an order for 1000 boxes.

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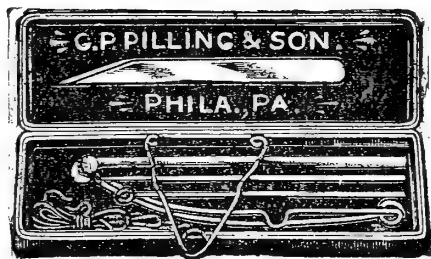
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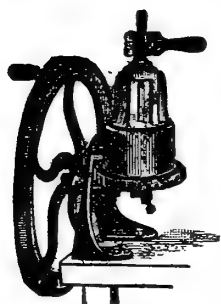
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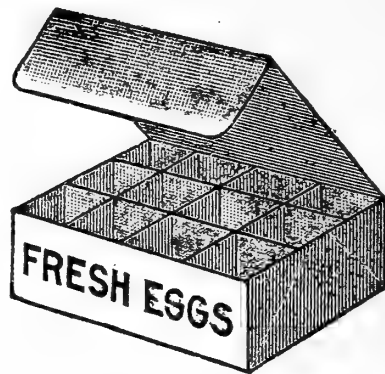
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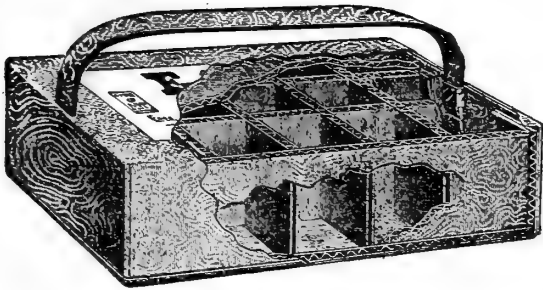
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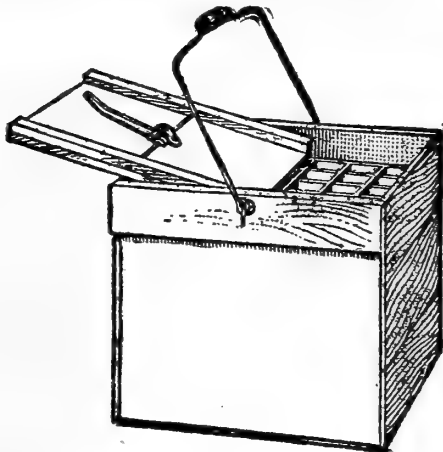
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I will furnish a two-line rubber stamp, four inches long, with your name and address on it, and a first-class inking pad for 40c. with an order for 500 boxes; 25c. with an order for 1000 boxes.



The Eyrie Egg Box. Made of corrugated paper, holds 15 eggs, weighs 11 ounces empty and about 23-4 lbs. packed; takes up only one-quarter of the space of a basket. Each egg is completely surrounded by double-faced corrugated paper, which provides an elastic cushion and a dead-air space at the same time. The corrugated partitions brace it so firmly in all directions that it will stand a weight of over 1000 pounds. Can be packed in one-tenth of the time it takes to pack a basket, and when the cover is on and the handle inserted, it is locked automatically and firmly and cannot be tampered with in transit. 25 dozen, \$1.15 per dozen; 10 dozen, \$1.20 per dozen; 1 dozen, \$1.25; each, 15c.

30-Egg Size. 25 doz. \$1.75 per doz.; 10 doz. \$1.80 per doz.; 1 doz. \$1.90.



The Reliable Egg Carrier. The safest, best and most complete egg carrier on the market. It is equipped with a adjustable cover and a patent combination lifter and fastener, which is far superior to other similar devices. It is so arranged that when only one dozen eggs are placed in it the lid can be dropped down and fastened just the same as though it were full of eggs. There is no better or more durable carrier made. Neatly painted and equipped with the best fillers, holding 12 dozen eggs. 40c. each, per doz. \$4.

With every order amounting to \$10 I give one of these egg carriers free.

Egg Crate Fillers. Paper; 3-doz. size, per set of 12 fillers and 12 dividing boards, 20c.

Egg Tester. The X-Ray. Light, neat and reliable; fits any lamp. Ea. 25 cts.; by mail, 35 cts.



Sanitary Self-Feeding Boxes. Made of heavy galvanized iron, the material works down into the feed spaces as fast as the fowls consume it. The front is sloped, so that fowls cannot get into the feed spaces to scratch and waste the material.

Used for feeding grains, Success poultry foot, grit, oyster-shells, ground bone, beef scrap, charcoal, etc.

No. 40, holds 4 quarts, 3 compartments, each 50c., doz. \$5.50. No. 41, holds 8 quarts, 2 compartments, each 75c., doz. \$8.



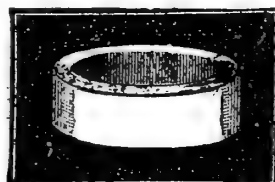
Wall Feed Pan. For wet or dry feeds grit, shell, bone, charcoal, water, etc. Hangs on two nails. Easy to clean. Saves waste. Always out of the way. No. 50—23 inches long, holds 3 quarts, each 35c., doz. \$3.50.



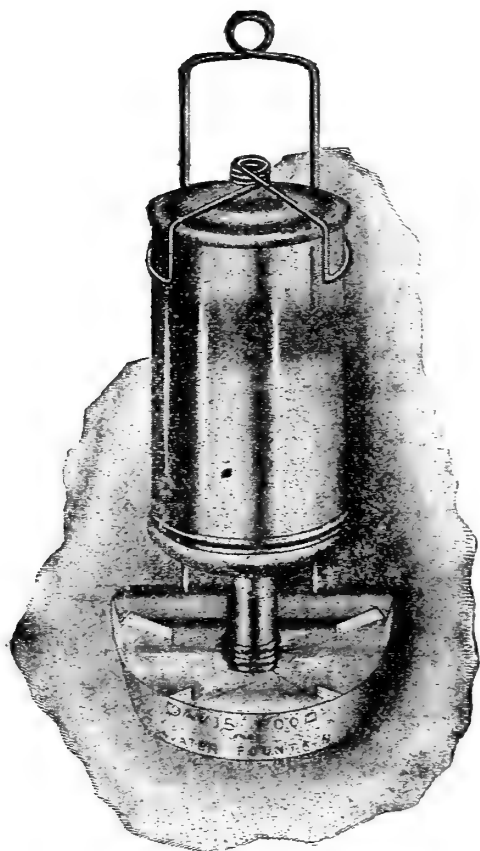
Floor Feed Pans. Made from heavy galvanized iron and will not rust. Wired with heavy steel wire. Will last for years. No. 70, 6 x 7 x 11-4 inches deep, capacity 1 quart, each 15c., doz. \$1.50. No. 71, 7 1-4 x 8 1-2 x 11-2 inches deep, capacity 1 1-2 quarts, each 20c., doz. \$2. No. 72, for fowls, 18 x 6 x 23-4 inches deep, capacity 5 quarts, each 35c., doz. \$3.50.



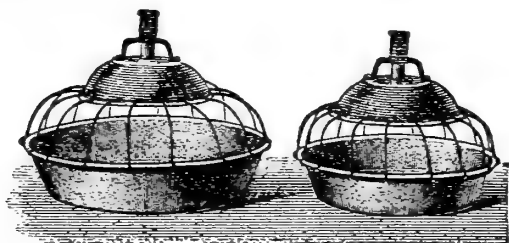
Chick Servers. Made in two pieces, from heavy galvanized iron. Used for dry feeds or water. Easily filled or cleaned. Each 25c. Postage 5c.



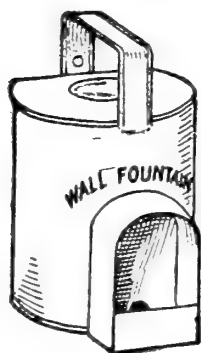
Rabbit Feeders. Glazed stoneware. Inexpensive, durable and easily cleaned. 7 1-4 x 2 1-8 inches, each 10c., doz. \$1.



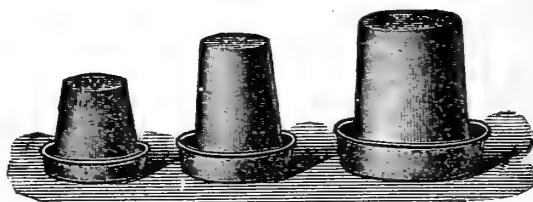
Davis Food and Water Fountain. Can be used with any sized bottle or with a fruit jar; holds either dry food or water equally well; one of the best utensils of the kind. Satisfaction guaranteed. Each 25c. Bottles or jars do not come with them.



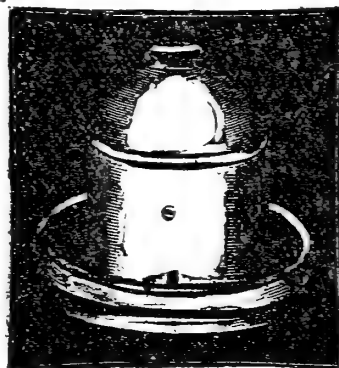
Food and Water Holders. The best device of the kind on the market. The protecting wire tops are easily separated from the pan by simply pressing down on the spring. The wires prevent the chicks from getting into the pan and soiling the food and water. Where these holders are used, a saving of from 15 to 25 per cent. may be counted on in the soft feed used. No. 30, holds one gallon, each 75c., doz. \$8; No. 31, holds 2 gallons, each \$1, doz. \$10; No. 32, holds 3 gallons, each \$1.25, doz. \$12.



Wall Fountains. Made from heavy galvanized iron. One side is flattened so that it can be hung on the wall of a building or against an upright post or board at any height. A hood projects over the water-trough and prevents the water from becoming soiled. No. 20, 1 gallon, each 60c., doz. \$5.50; No. 21, 2 gallons, each 75c., doz. \$7.50.

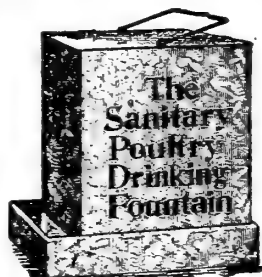


Galvanized Iron Drinking Fountain. All seams are carefully turned and soldered. The tops are flat and the sides converge slightly from the bottom upward, so that in freezing weather the pressure of ice that may form inside will not split the seams. No. 10, 1 quart 20c., doz. \$1.75; No. 11, 2-quart 25c., doz. \$2.50; No. 12, 3 1-2 quart 35c., doz. \$3.50; No. 13, 8 quart 50c., doz. \$4.50.



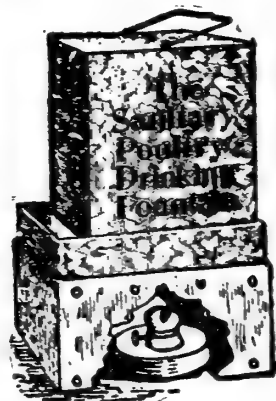
Glazed Stoneware Fountain. Made in two parts. Easy to clean; no danger of drowning chicks. The best for warm weather, as water will keep the cool and fresh in them longer than in any other fountain. 1/2-gal., 25c.;

1-gal. 30c.; 2-gal. 35c.

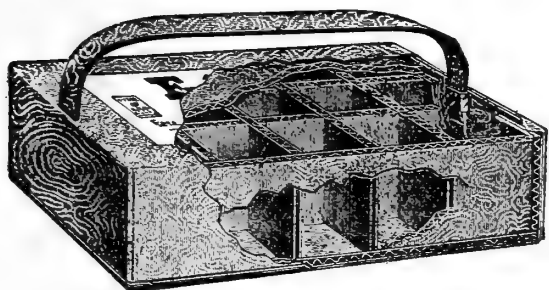


Sanitary Fountains Can be thoroughly and easily cleaned in a minute. Will go into any brooder. No danger from drowning. Is not injured by freezing solid. Made of heavy galvanized iron. One gallon fountain will supply twenty fowls. No. 1, holds 1 gallon, each 50c., doz. \$5.50; No. 2 holds 2 gallons, each 90c., doz. \$9.

Sanitary Fountain Heater. Fits any sanitary fountain. Use the heater and give your chicks and fowls hot water. No expense; no danger; lamp burns 24 hours. No. 90, 1-gal. size, each 50c., doz. \$5.50; No. 91, 2-gal. size, each 60c., doz. \$6.50.

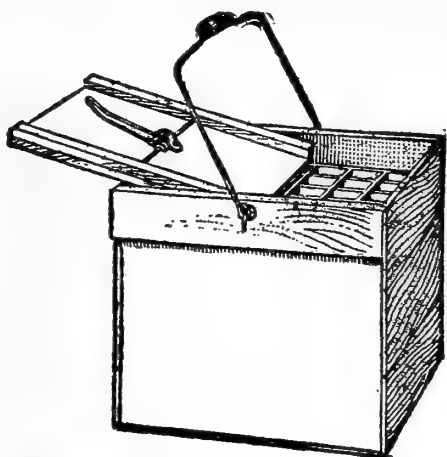


Unglazed Earthenware Drinking Fountains. Light and porous; the saucer is glazed, making it water-tight. 1-quart size, each 20c., doz. \$2; 4-quart size, each 40c., doz. \$4.



The Eyrie Egg Box. Made of corrugated paper, holds 15 eggs, weighs 11 ounces empty and about 23-4 lbs. packed; takes up only one-quarter of the space of a basket. Each egg is completely surrounded by double-faced corrugated paper, which provides an elastic cushion and a dead-air space at the same time. The corrugated partitions brace it so firmly in all directions that it will stand a weight of over 1000 pounds. Can be packed in one-tenth of the time it takes to pack a basket, and when the cover is on and the handle inserted, it is locked automatically and firmly and cannot be tampered with in transit. 25 dozen, \$1.15 per dozen; 10 dozen, \$1.20 per dozen; 1 dozen, \$1.25; each, 15c.

30-Egg Size. 25 doz. \$1.75 per doz.; 10 doz. \$1.80 per doz.; 1 doz. \$1.90.



The Reliable Egg Carrier. The safest, best and most complete egg carrier on the market. It is equipped with a adjustable cover and a patent combination lifter and fastener, which is far superior to other similar devices. It is so arranged that when only one dozen eggs are placed in it the lid can be dropped down and fastened just the same as though it were full of eggs. There is no better or more durable carrier made. Neatly painted and equipped with the best fillers, holding 12 dozen eggs. 40c. each, per doz. \$4.

With every order amounting to \$10 I give one of these egg carriers free.

Egg Crate Fillers. Paper; 3-doz. size, per set of 12 fillers and 12 dividing boards, 20c.

Egg Tester. The X-Ray. Light, neat and reliable; fits any lamp. Ea. 25 cts.; by mail, 35 cts.



Sanitary Self-Feeding Boxes. Made of heavy galvanized iron, the material works down into the feed spaces as fast as the fowls consume it. The front is sloped, so that fowls cannot get into the feed spaces to scratch and waste the material.

Used for feeding grains, Success poultry foot, grit, oyster-shells, ground bone, beef scrap, charcoal, etc.

No. 40, holds 4 quarts, 3 compartments, each 50c., doz. \$5.50. No. 41, holds 8 quarts, 2 compartments, each 75c., doz. \$8.



Wall Feed Pan. For wet or dry feeds grit, shell, bone, charcoal, water, etc. Hangs on two nails. Easy to clean. Saves waste. Always out of the way. No. 50—23 inches long, holds 3 quarts, each 35c., doz. \$3.50.

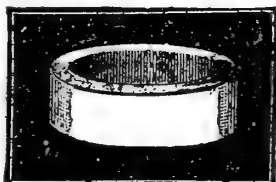


Floor Feed Pans. Made from heavy galvanized iron and will not rust. Wired with heavy steel wire. Will last for years. No. 70, 6 x 7 x 11-4 inches deep, capacity 1 quart, each 15c., doz. \$1.50. No. 71, 7 1-4 x 8 1-2 x 11-2 inches deep, capacity 1 1-2 quarts, each 20c., doz. \$2. No. 72, for fowls, 18 x 6 x 23-4 inches deep, capacity 5 quarts, each 35c., doz. \$3.50.

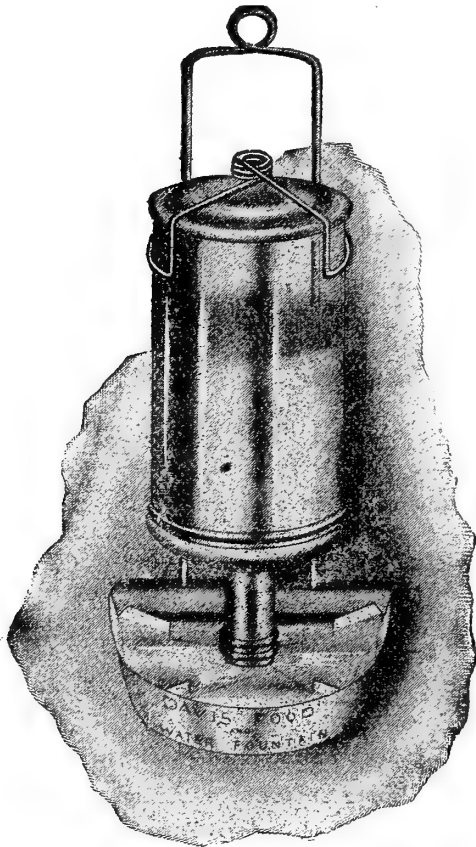


Chick Servers.

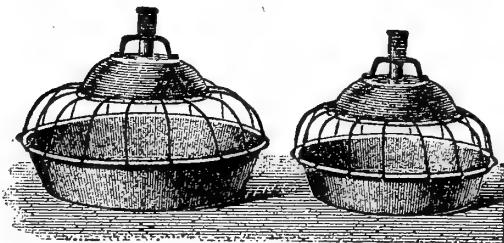
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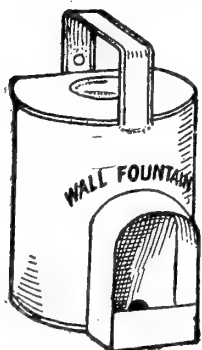
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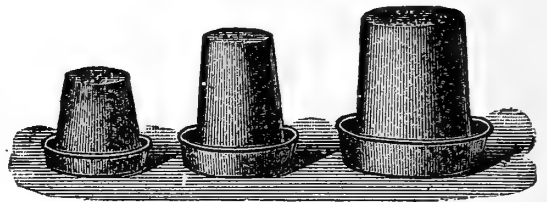
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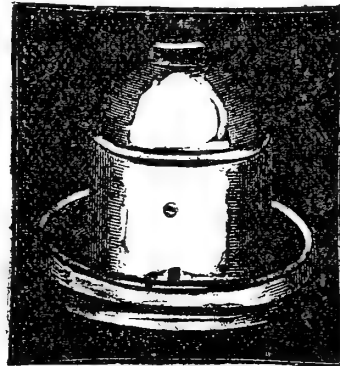
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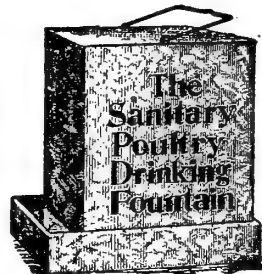


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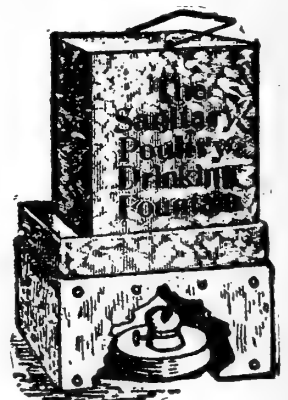
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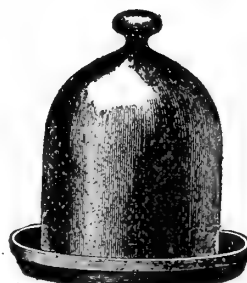


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Sanitary Fountain Heater. Fits any sanitary fountain. Use the heater and give your chicks and fowls hot water. No expense; no danger; lamp burns 24 hours. No. 90, 1-gal. size, each 50c., doz. \$5.50; No. 91, 2-gal. size, each 60c., doz. \$6.50.

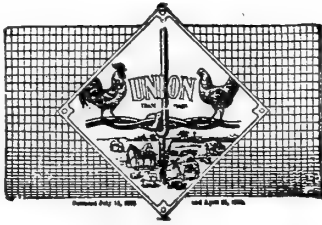


Unglazed Earthenware Drinking Fountains. Light and porous; the saucer is glazed, making it water-tight. 1-quart size, each 20c., doz. \$2; 4-quart size, each 40c., doz. \$4.



Union Lock Poultry Fence.

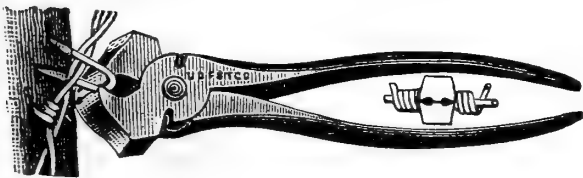
Embraces many features superior to common netting. The horizontal lines are cables composed of two heavy galvanized steel wires twisted together. The upright lines are single wires set 3 inches apart and firmly locked on the intersection of the cables by the patented Union Lock, shown enlarged in the center of the trade-mark. Beginning at the bottom, the first seven cables are 1 1-4 inches apart, the next three cables are 1 1-2 inches apart, then six cables 2 inches apart, and all above are 4 inches apart. This gives the small 1 1-4 x 3-inch mesh at the bottom. The horizontal cables allow the fence to be stretched tightly without buckling or sagging. No top rail or bottom boards are necessary, and this fence will conform to hilly ground without cutting. In strength, closeness of mesh, adjustability and economy it excels all others. Put up in 10-rod rolls. 10 rods (165 feet), 24 in. wide \$2.80; 36 in. wide \$3.50; 48 in. wide \$4.20; 60 in. wide \$4.80; 72 in. wide \$5.40; 84 in. wide \$6.20.



Galvanized Steel Wire Netting. For pigeon houses, poultry yards, etc. Put up in rolls of 150 lineal ft. Various sizes from 24 to 60 inches. Prices upon application.

The Lott Stretcher is the strongest and most efficient tool ever gotten out for stretching woven wire fence. It will stretch from 10 rods to a mile of fence at a time. Anybody can operate it, and with the exception of the wooden clamp, it will last a lifetime. I do not ship handles or levers with these Stretchers. A good, sound, hardwood stick, 5 to 7 feet long, will answer the purpose fully. Shipping weight, 75 lbs. Each \$4.

The Canton Pulley Stretcher. Made entirely of malleable iron. Substantial and compact, with heavy bearing. Strong and full length chain and reeved with best quality 3/8-inch rope. Automatic and direct acting locking device. Locks in any position. Can be used also as a hoist for 100 pounds capacity. Each 75c.



Button Plier and Staple Puller. 7 tools in one. A double wire cutter, double hammers, and double nail and staple puller and wire splicer, and also is a plier and light wrench. It is 10 inches long, weighs 1 1-2 pounds, is carefully tempered, and forged from tool steel, all of which guarantees its high quality. Each \$1.

The Gibbs Post Hole Digger. Works successfully in all kinds of soil. Blade is made of



best cast steel, tempered; wearing parts have steel pins and rivets; rod and yoke of steel, other metal parts of malleable iron; handles extra quality hickory. Makes a hole 3 feet deep and any diameter. Each \$1.25



Tampers. Solid cast-iron, with hardwood handles. Bell-shaped, 15-lb. 75c.; 20-lb. \$1; 30-lb. \$1.50.

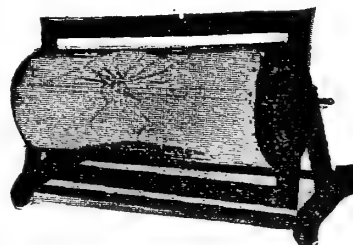
Mauls or Beetles. With hard-wood plugs and handle. 18-lb. \$1.10c.



Solid head, maul with handle, 14-lb. 75c., 15-lb. 80c., 16-lb. 85c., 25-lb. \$1.30.

Staples. 5/8-inch, for poultry fencing, per lb. 10c.

Staples. 1 3/4-inch, for farm fencing, per lb. 5c.



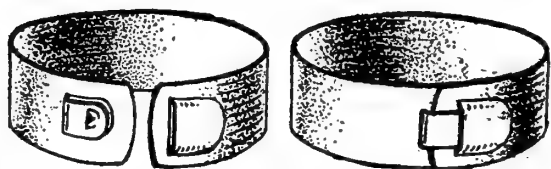
The Lightning Lice Killer Best lice-killing machine in the world, kills all the lice and has never been known to hurt the fowls.

Place the fowls in the cylinder, sprinkle over them one heaping teaspoonful of Lice Powder, close the door and turn the crank slowly a dozen times. Price, \$3 each.

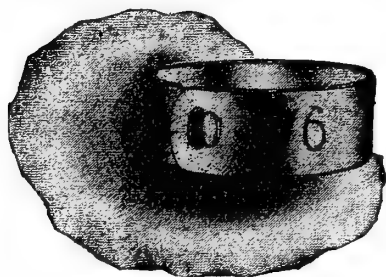


Gape Worm Extractors. The gape-worm lodges in the windpipe and must be extracted if the fowl is to live. The most inexperienced poultrymen will have no trouble in removing these worms by the use of the gape-worm extractor. It is effective and cannot hurt the chicken. No. 120. Each 25c., postpaid.

French Poultry Killing Knife. Made of finely tempered instrument steel, with nickel handle. No. 150, each 50c., postpaid.



The Lightning Leg Band is one of the best and one of the easiest to apply. When once on it cannot be removed except by cutting. Comes all shaped ready for use—simply slip it on and close it. Locks automatically with no projecting flaps, rivets, etc. Made of non-corrosive white metal. 12 for 30c., 24 for 65c., 60 for \$1.40, 100 for \$2.25.

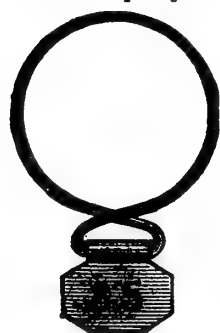


Eclipse Leg Band. This is a flat band made of aluminum and has no sharp corners or edges. Easy to adjust and is sure to stay on.

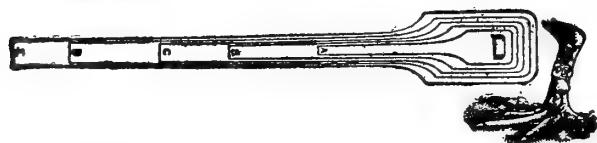
Always mention size wanted. No. 180, 12 for 15c., 25 for 30c., 50 for 50c., 100 for 75c., 250 for \$1.75, 500 \$3.25, 1,000 for \$6, postpaid.



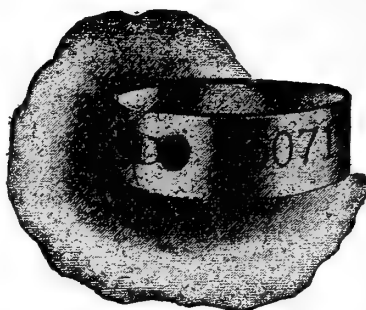
Champion Band. Made in one piece, two sizes; adjusted to fit any fowl; held by double lock. 12 for 15c., 25 for 30c., 50 for 50c., 100 for 80c., postpaid.



Climax Leg Bands. The "stay-on-kind." They are easily put on. Rings made of brass wire. The tags are aluminum. Not more than three letters or figures can be stamped on each tag. No. 181, 12 for 20c., 25 for 35c., 50 for 60c., 100 for \$1, 250 for \$2.25, 500 for \$4, 1,000 for \$7, postpaid.



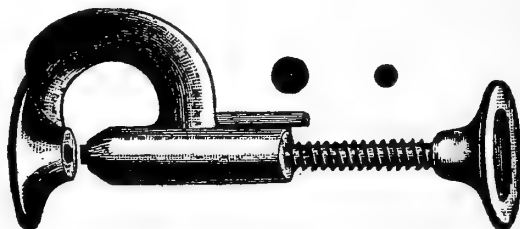
Reliable Pliant Copper Leg Bands. These leg bands being once adjusted will not come off, nor will they canker and make the fowl's leg sore, like brass leg bands. Large size, 4 inches long; medium size, $2\frac{1}{2}$ inches long; small size, $2\frac{1}{4}$ inches long. The figures on the bands are $\frac{3}{8}$ of an inch wide, making large, bold figures, so that they can be read easily. In ordering any number of leg bands, we send different numbers, but put no letters on. For example, if you order 100 leg bands, we send you numbered from one to one hundred, numbered inclusive, if not otherwise ordered. All sizes the same price. No. 182, 12 for 20c., 25 for 35c., 50 for 60c., 100 for \$1, 250 for \$2.25, 500 for \$4, 1,000 for \$7, postpaid.



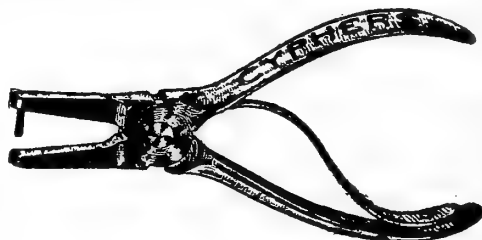
Smith's Sealed Leg Band. The original sealed leg band, and the best. Made of aluminum. These bands come numbered according to the manufacturer's system, which pre-

vents duplicates, and no changes can be made. 12 for 30c., 25 for 50c., 60 for \$1, 100 for \$1.50, 250 for \$3.50, 500 for \$6.50, 1,000 for \$12.00, postpaid.

Sealers, plain, 50c.; with lettered jaw, 65c., postpaid.



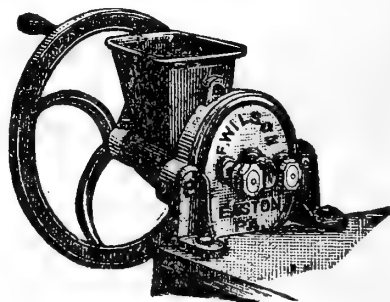
Philadelphia Poultry Marker. This marker is made in two sizes, one for chicks and one for fowls. No. 140 for chicks; No. 141 for fowls. Each 25c., postpaid.



The Perfect Poultry Punch. Made like a conductor's punch, nickel-plated and polished. Each 50c., postpaid.



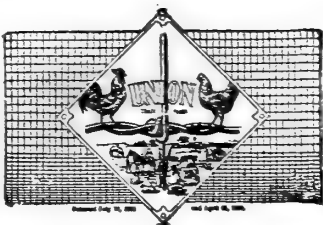
Davis Chick Marker. A neat little tool which can be carried in the vest pocket. Punch is reversible and cuts two sizes of holes, giving two tools for the price of one. Each 25c., 3 for 60c., postpaid.



Bone and Shell Mill. Grinds oyster and clam shells and dry bones. It is an excellent mill and largely used. Will also crack corn, peas and other grain. No. 200, \$4.

Union Lock Poultry Fence.

Embraces many features superior to common netting. The horizontal lines are cables composed of two heavy galvanized steel wires twisted together. The upright lines are single wires set 3 inches apart and firmly locked on the intersection of the cables by the patented Union Lock, shown enlarged in the center of the trade-mark. Beginning at the bottom, the first seven cables are 1 1/4 inches apart, the next three cables are 1 1/2 inches apart, then six cables 2 inches apart, and all above are 4 inches apart. This gives the small 1 1/4 x 3-inch mesh at the bottom. The horizontal cables allow the fence to be stretched tightly without buckling or sagging. No top rail or bottom boards are necessary, and this fence will conform to hilly ground without cutting. In strength, closeness of mesh, adjustability and economy it excels all others. Put up in 10-rod rolls. 10 rods (165 feet), 24 in. wide \$2.80; 36 in. wide \$3.50; 48 in. wide \$4.20; 60 in. wide \$4.80; 72 in. wide \$5.40; 84 in. wide \$6.20.



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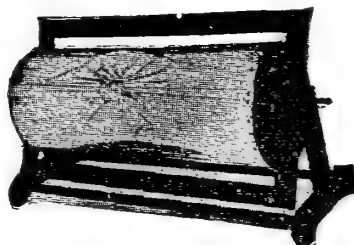
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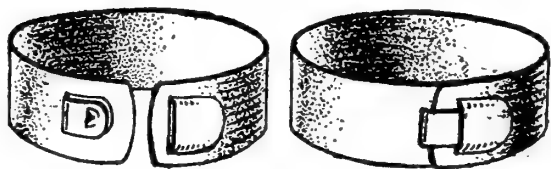
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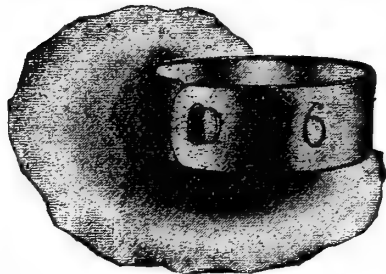


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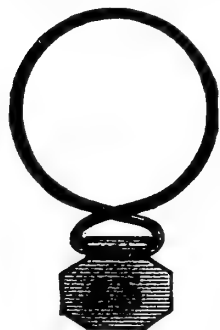


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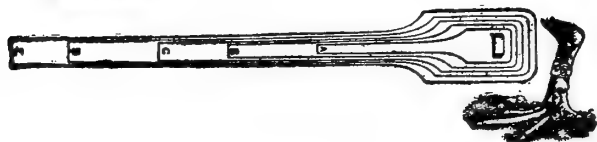
Always mention size wanted. No. 180, 12 for 15c., 25 for 30c., 50 for 50c., 100 for 75c., 250 for \$1.75, 500 \$3.25, 1,000 for \$6, postpaid.



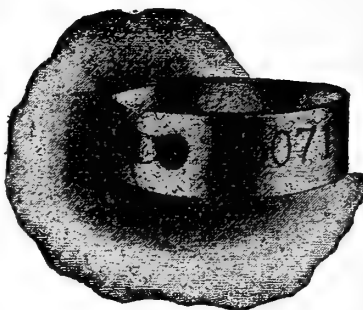
Champion Band. Made in one piece, two sizes; adjusted to fit any fowl; held by double lock. 12 for 15c., 25 for 30c., 50 for 50c., 100 for 80c., postpaid.



Climax Leg Bands. The "stay-on-kind." They are easily put on. Rings made of brass wire. The tags are aluminum. Not more than three letters or figures can be stamped on each tag. No. 181, 12 for 20c., 25 for 35c., 50 for 60c., 100 for \$1, 250 for \$2.25, 500 for \$4, 1,000 for \$7, postpaid.



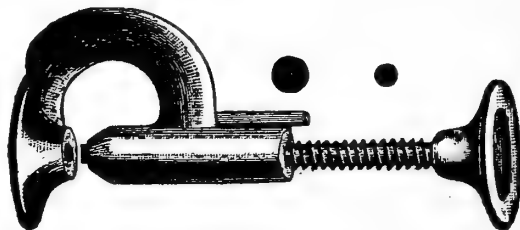
Reliable Pliant Copper Leg Bands. These leg bands being once adjusted will not come off, nor will they canker and make the fowl's leg sore, like brass leg bands. Large size, 4 inches long; medium size, $2\frac{1}{2}$ inches long; small size, $2\frac{1}{4}$ inches long. The figures on the bands are $\frac{3}{8}$ of an inch wide, making large, bold figures, so that they can be read easily. In ordering any number of leg bands, we send different numbers, but put no letters on. For example, if you order 100 leg bands, we send you numbered from one to one hundred, numbered inclusive, if not otherwise ordered. All sizes the same price. No. 182, 12 for 20c., 25 for 35c., 50 for 60c., 100 for \$1, 250 for \$2.25, 500 for \$4, 1,000 for \$7, postpaid.



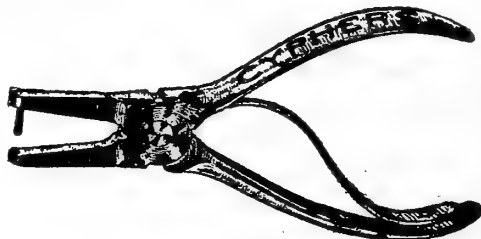
Smith's Sealed Leg Band. The original sealed leg band, and the best. Made of aluminum. These bands come numbered according to the manufacturer's system, which pre-

vents duplicates, and no changes can be made. 12 for 30c., 25 for 50c., 60 for \$1, 100 for \$1.50, 250 for \$3.50, 500 for \$6.50, 1,000 for \$12.00, postpaid.

Sealers, plain, 50c.; with lettered jaw, 65c., postpaid.



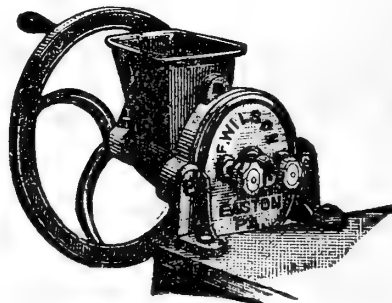
Philadelphia Poultry Marker. This marker is made in two sizes, one for chicks and one for fowls. No. 140 for chicks; No. 141 for fowls. Each 25c., postpaid.



The Perfect Poultry Punch. Made like a conductor's punch, nickel-plated and polished. Each 50c., postpaid.



Davis Chick Marker. A neat little tool which can be carried in the vest pocket. Punch is reversible and cuts two sizes of holes, giving two tools for the price of one. Each 25c., 3 for 60c., postpaid.

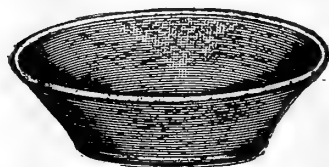


Bone and Shell Mill. Grinds oyster and clam shells and dry bones. It is an excellent mill and largely used. Will also crack corn, peas and other grain. No. 200, \$4.

Porcelain Nest Eggs. These eggs are made of first-class flint glass and will not break easily. Each 3c., doz. 30c., postpaid.

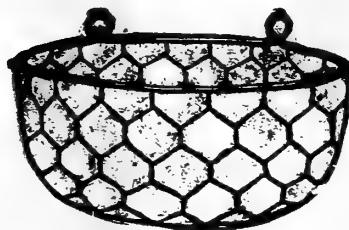


Knox Lice-Expelling Nest Eggs. Made from a medicated composition, guaranteed to keep the nests and fowls free from lice. Each 5c., doz. 50c. Postage 2c. each.

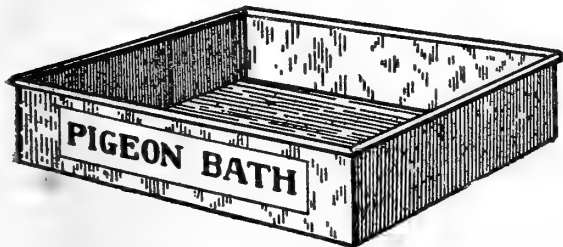


Pigeon Nests or Nappies. Made of unglazed clay. Sanitary, healthful and easily cleaned. 8-in., each 7c., doz. 75c.; 9½-inch, each 10c., doz. \$1.

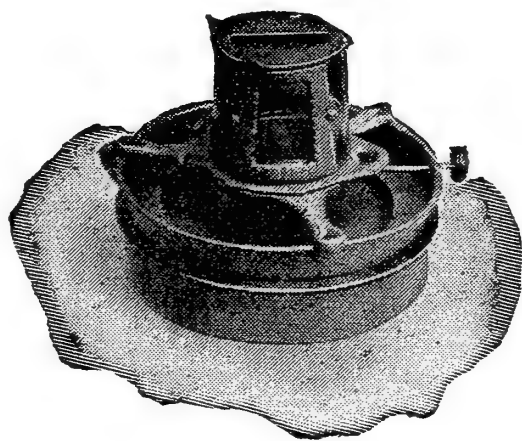
Chicken Nests. Same style and material as Pigeon Nests or Nappies. Made in one size only. 15-inch, each 20c., doz. \$2.



Wire Nest. These nests are strongly made from heavy japanned steel wire and will last a lifetime. They are intended to be fastened to the wall by screw hooks. There is no room on them for lodgment of lice or vermin of any kind. They are easy to keep clean and are far superior to wooden boxes. No. 110, each 15c., doz. \$1.50.



Pigeon Bath Pan. Made of heavy galvanized iron. Nineteen inches square, four inches deep. Capacity five gallons. No. 60, each \$1, doz. \$11.



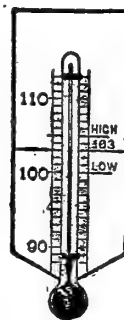
Brooder Stove. Made of iron and brass. Water pan holds nearly one quart and covers entire surface of oil bowl, thus placing a sheet of cold water over one inch in thickness between the oil bowl and the flame, and avoiding all danger from explosive gas. Height 7 1-2 inches, width 10 1-2 inches. Price each, \$1.50.

Incubator Thermometers

Six-inch Regular. Can be used in any incubator. Each, 50c., postpaid.



Six-inch
Prairie
State



Short
Prairie
State



Brooder
Thermometer

Six-inch Prairie State. Tapers at the Bulb end, so that bulb will set between the egg. Each, 50c., postpaid.

Short Prairie State. 3½ inches long, made to stand upright, so it can be read easily without opening the door. Each 50c., postpaid. Holder for same, 10c., postpaid.

Brooder Thermometer. Japanned case, enclosed bulb, six inches long. Each, 50c., postpaid.

Charleston, Ill., June 5, 1906.

Prairie State Incubator Co.,
Homer City, Pa.

Sirs: I purchased one of your 200 size Incubators and enclosed I send you results of hatches:

Set 100 eggs, infertile 8, fertile 92, hatched 92 chicks; set 200 eggs, infertile 12, fertile 188, hatched 188 chicks; set 200 eggs, infertile 10, fertile 190, hatched 190 chicks; set 200 eggs, infertile 11, fertile 189, hatched 189 chicks. Total eggs set, 700; infertile, 41; fertile, 659; hatched chicks, 659.

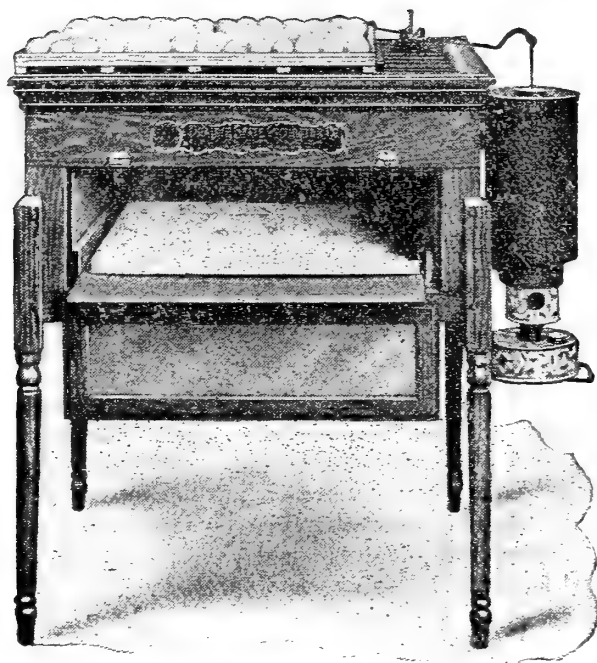
I hereby certify that the above is a true record of the above hatches made by me on April 10th, May 1st, 21st and June 14th, 1906. Signed,

MRS. OTIS C. DOTY.

Witnesses, Elma Schwark.

Given under my hand and seal of office at Charleston, Ill., June 15, 1906. OTIS C. DOTY.

PRAIRIE STATE INCUBATORS and BROODERS



Prairie State Diffusion Incubator

A perfect diffusion incubator without diaphragms, burlap or screens. Absolutely fire-proof and guaranteed to that effect. An equal distribution of heat in all part of the egg-chamber. The relative humidity of the air in the machine approaches nearer to that found under a hen, than in other machines, thus copying nature so successfully, as to secure equal results in hatching. Economical in operation, simple in construction and certain in results. One style of tray for all eggs, the same machine hatches chicks, ducks, geese or turkeys. Each incubator has double walls and is carefully packed, thus securing and maintaining the desired heat under the greatest variations of temperature and at a minimum cost. The regulator is their own patent and so sensitive that the heat in the machine is controlled automatically even to the fraction of a degree. The prices quoted are based on the cost of production, under most advantageous circumstances, and therefore, full value is given to each purchaser. The enviable reputation gained by these goods naturally causes them to be used as the Standard of Perfection and thus the reference by others as having something as good as Prairie State Incubators and Brooders, makes it necessary for you to insist on this brand only.

PRICES:

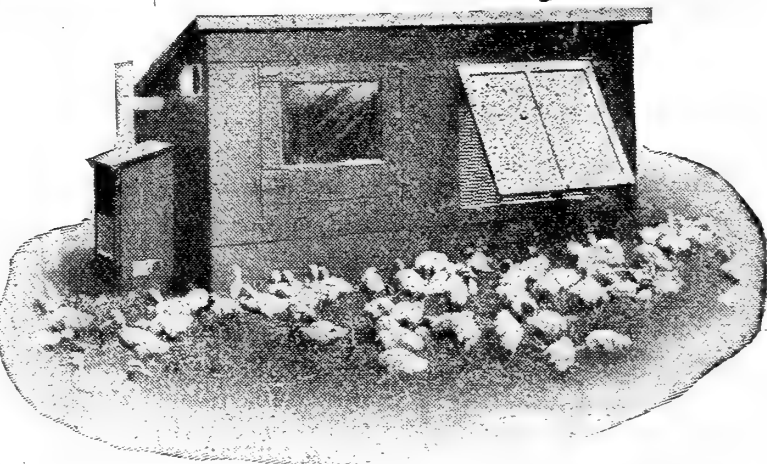
No. 0 Diffusion	100 Eggs	\$18.00
" 1 "	150 "	22.50
" 2 "	240 "	32.00
" 3 "	390 "	38.00

Including all attachments, egg tester, thermometer, lamp, tray for eggs and regulator. Guaranteed to be free from mechanical defect and to hatch in the most approved manner.

Complete Incubator Catalog Free on Request.

The ordinary outdoor brooder will do fairly good work in mild, nice, bright weather, but in the cold, snowy, or raw, wet days of early spring, when it is impossible to let the chicks out for weeks at a time, they are bound to die from close confinement and lack of exercise. In the old style brooder there is not sufficient floor or air space to meet the penned-up conditions, and the result is heavy loss of lives.

The Prairie State Colony Brooder was designed to overcome this serious fault, and it does it successfully. It is of sufficient size, so that when the weather is bad, the chicks may remain in the brooder weeks at a time without injury to their health or retarding of their development. They have plenty of room for exercise and growth. After the chicks have grown to proper size the hover and heater may be removed to another colony house, if desired, the chicks being left undisturbed until removed to permanent quarters. Thus the same heater and hover can be used to rear a number of broods during the season.



No. 1 COLONY BROODER

This brooder house is constructed of tongued and grooved chestnut boards one inch thick. The brooder is 3 feet wide, 6 feet long, and 3 feet high in front and 2 feet high in rear; 18 sq. feet of floor space. The interior is divided by a movable partition into two compartments. Price, \$18. Regulator to hover, \$1 extra.

No. 2 COLONY BROODER

The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards, with dead air space and heavy strawboard insulation, all of which is covered with best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior.

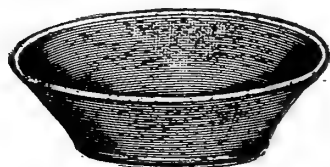
The brooder is 60 in. long, 30 in. wide, 20 in. high in rear and 30 in. high in front, 12½ sq. ft. of floor space.

The Interior is divided into two large compartments by a movable wooden partition, the nursery room and sun parlor, the floor throughout being on a level, and 8 inches from the ground.

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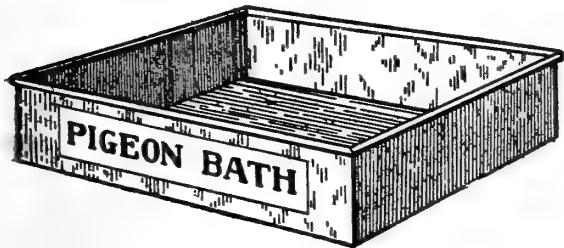


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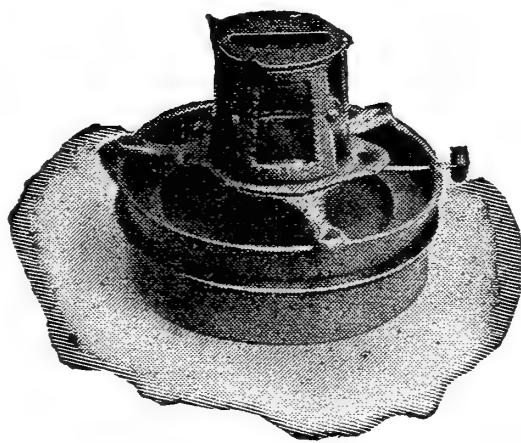
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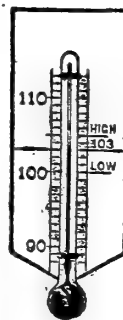
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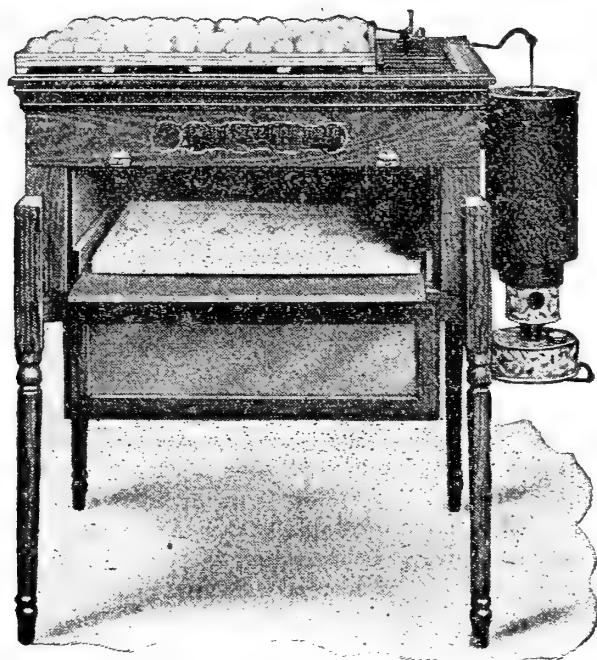
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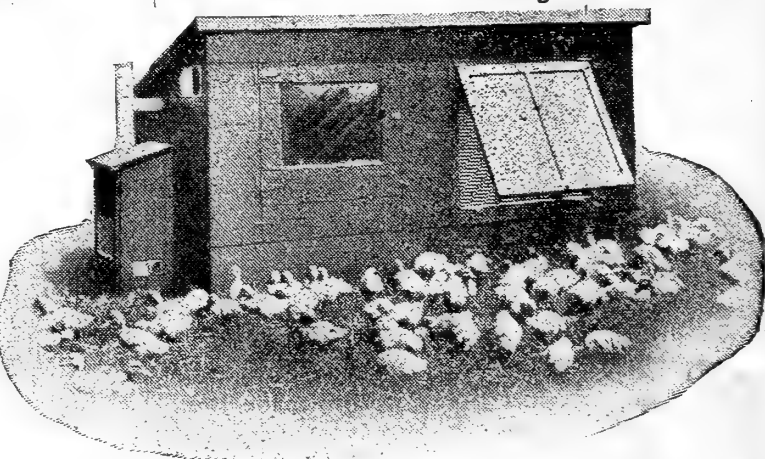
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The Interior is divided into two large compartments by a movable wooden partition, the nursery room and sun parlor, the floor throughout being on a level, and 8 inches from the ground.

ORDER SHEET

BEFORE MAKING OUT YOUR ORDER, read carefully remarks on first page of my Catalogue. My customers will oblige me by using this sheet in ordering. Remittances can be made by Draft, Money Order or Registered Letter, and the cost deducted from the amount of money sent.

Do you wish me to substitute to the best of my judgment, in case any varieties ordered should be exhausted? Write **Yes** or **No**.....

Please write in the quantity, full name of variety and price. Any necessary correspondence should be written on a separate sheet.

Date.....190.....

JOSIAH YOUNG, TROY, N. Y.

For amount enclosed \$_____ send me by _____
 the articles designated below; Write here "Mail," "Freight," "Express,"
 or "Use your discretion."

WRITE PLAINLY. Name _____

P. O. _____ County _____

Express Office _____ R. F. D. No. _____ State _____

Freight Station _____ No. _____ { Avenue
Street

Shipped _____ 190____, Via _____

Bags..... *Boxes*..... *Bbbs.*..... *Bdls.*..... *Pkgs.*.....

[illegible]

[illegible]

From

P. O.

State

JOSIAH YOUNG,

**FIELD
FLOWER
VEGETABLE
SEEDS,
TROY,**

POULTRY SUPPLIES,

Removed to

Foot of Grand Street.

New York.

PLANTS
375-377 River Street.
PLANTS

Between the nursery and exercising room is an opening eighteen inches wide, with a wooden door, hinged to open and close at will, so when desired the chicks may be confined in either apartment. With the wooden door opened, the space is covered with a heavy felt curtain, slitted to permit easy passage of the chicks back and forth. Two glass doors, 26x14 in., furnish light to the chicks confined. A movable door below the glass door brings each opening level with the floor and permits easy cleaning of each apartment. This brooder is particularly economical in the use of oil. During the first week of June, 1905, during very wet weather, with a brooder full of chicks just out of the shell, the lamp in seven days consumed two pints of oil and maintained constantly a temperature in the hover of 95 to 105 degrees.

Price, complete, \$14. Regulator to Hover \$1 extra.

No. 3 Colony Brooder. This brooder is constructed upon the same general plan and lines as the larger Colony Houses, and has proven equally satisfactory in practical use.

The two glass doors on hinges have removable sill boards, so that in cleaning the brooder the openings are below the level of the floor. The roof is in one piece, hinged, giving access to all parts of the brooder.

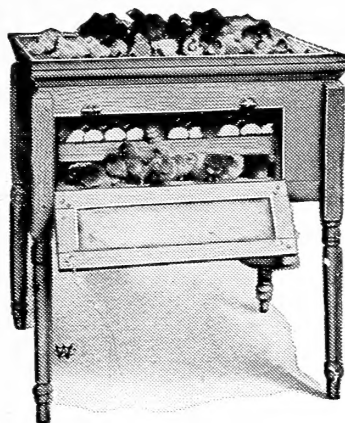
The hover is 20 inches in diameter, of the Universal type. It lifts out, and is provided with a thermometer, by means of which the temperature can be taken without opening the brooder. The brooder is 27 inches wide, 48 inches long, 19 inches high in the rear and 28 inches high in the front. The lamp is placed in the same position as with the No. 2 Colony Brooder, and burns steadily under the most stormy weather of wind or rain.

Price, complete \$10.00
Heat regulator 1.00 extra

INDOOR BROODER No. 5

The Prairie State Indoor Brooder No. 5 is the most convenient brooder ever constructed, being easy to clean and operate. Every part is instantly accessible and removable. The floor of this brooder is three feet square, of tongued and grooved flooring, is perfectly smooth and stands eight inches from the ground. The space underneath is enclosed, except at one side appears an opening for the lamp. An adjusted screen insures the lamp placed in correct position. The removable upper case used on this brooder overcomes the most serious objections to indoor brooders, as with it, it is possible to suit any plan of building, as the chick exit door and the lamp door can be fixed to suit any arrangement of doors or windows, or the convenience of the operator. The lamp is attended from the inside of the house, thus protecting the operator from the storm. The fumes of the lamp may be piped outside, and fresh air piped inside. The arrangement of the case with its muslin lid, gives perfect ventilation without draughts and the hover permits three gradual changes of temperature before the chick gets outside, preventing chills and sudden changes and hardening the chicks for out of doors. Price complete \$10.00. Heat regular \$1 extra.

Complete Brooder Catalog free on request.



Prairie State Junior Incubator

No. 2 Junior Incubators, capacity 115 hen eggs, \$15.00

Write for Special Incubator Catalog.

PRAIRIE STATE UNIVERSAL HOVER

As the name of this hover implies, it has a large or universal sphere of usefulness. In fact, there is practically no limit to its adaptability. It may be used or attached to any form of outdoor brooder that is two feet or more in height; to any size or form of colony house, mushroom house, small portable building, dry-goods box, shed, coop, organ or piano box.

Where regular colony houses are used, the Universal Hover can be attached to one until the chicks have been given a good start and then removed to another for a new brood. In this way it can be utilized to accomplish the work of four or five expensive combination colony brooders. It has proven to be thoroughly practical and in actual service, giving perfect satisfaction during the coldest weather of winter, changeable conditions of spring and the heat of summer.

Economy is one of its special features, aside from its wide range of adaptability, as will be seen from the fact that only a small No. 2, Sun Hinge Burner is required to furnish all the heat necessary in the coldest weather. In presenting this hover to the poultry raiser, we are confident that it will give him more genuine satisfaction than any device ever put out. It fills that want felt by everyone who raises poultry, for something they can use for this purpose any time, anywhere and do the work well.

—: PRICES :—

Hover, Complete with lamp, lamp box and smoke pipes and thermometer \$7.00
Hover, Complete with lamp, smoke pipes and thermometer \$6.00
Regulator for any Hover \$1.00



Our New Store 375-377 River Street